DOCUMENT RESUME

ED 139 978 CE 011 000

AUTHOR Bunch, Edwood: And Others

TITLE Woods. Industrial Arts. Performance Objectives.

Junior High School.

INSTITUTION Duval County School Board, Jacksonville, Fla.

PUB DATE Jul 72 NOTE 162p.

EDRS PRICE MF-\$0.83 HC-\$8.69 Plus Postage.

DESCRIPTORS *Behavioral Objectives; *Criterion Referenced Tests;

Curriculum Guides; *Industrial Arts; Junior High Schools: Shop Curriculum; Trade and Industrial

Education: *Woodworking

ABSTRACT

Several intermediate performance objectives and corresponding critericn measures are listed for a woodworking course for seventh, eighth, and minth grade students. The seventh grade section includes seven terminal objectives for a 9-week basic hand woodworking course which includes planning and layout, skill in the use of hand tools, construction and identification of simple joints, and the use cf fasteners and finishing methods. The eighth grade section includes 11 terminal objectives in basic hand woodworking. The activities include planning and layout, design and construction, using bill of materials, and firishing procedures. Some machine work is involved alsc. The ninth grade section is divided into two separate one-semester courses: (1) Woods 1A is a course designed to review, reinforce, and advance knowledge of previously learned woods experience. It incorporates an introduction to machine woodworking and contains 16 terminal objectives. (2) Woods 1B is a basic machine woodworking course designed for those students who wish to take an additional semester course in woodworking. It includes a review of machines and tools with more depth in design and construction and criteria for making a vocational choice. Twenty terminal objectives are included in this section. (This manual and 54 others were developed for various secondary level vocational courses using the System Approach for Education (SAFE) guidelines.) (HD)

JUNIOR HIGH SCHOOL

NDUSTRIAL ARTS

PERFORMANCE OBJECTIVES

WOODS

US DEPARTMENT OF HEALTH.

EDUCATION & WELFARE

EDUCATION & WELFARE

NATIONAL INSTITUTE OF

EDUCATION

THIS DOCUMENT HAS DEEN REPRO

DUCED EXACTLY AS RECEIVED FROM

DUCED EXACTLY AS RECEIVED FROM

THE PERSON OR ORGANIZATION ORIGIN

ATING IT POINTS OF VIEW OR OPINIONS

ATING IT POINTS OF VIEW OR POINTS

STATED DO NOT NECESSARILY DEPERSON

SENT OFFICIAL NATIONAL INSTITUTE OF

SENT OFFICIAL NATIONAL INSTITUTE OF

EDUCATION POSITION OR POLICY

THE DUVAL COUNTY SCHOOL BOARD

£0139978

Dr. Cecil D. Hardesty Supt. of Schools

Duval County School System

Mr. William E. Carter - Chairman Mrs. Gene W. Miller - Vice Chairman Mr. Joseph L. Cullen Mr. Wendell P. Holmes, Jr. Mr. James S. Hornsby Mr. William S. Mathias, Jr. Mr. Hugh Schulman

> Dr. Donald Johnson Assoc. Supt. for Curriculum

David A. Rigsby Director of Vocational Education

Lowell T. Hudson Supervisor of Industrial Arts

Duval County Public Schools July, 1972

MAKE UP AND USE OF THIS MANUAL

Definitions

<u>Terminal Performance Objectives</u> - are objectives referring to a behavior, knowledge, or skill you want the learner to demonstrate at the end of a particular unit or section. They are written in gross, overall terms.

Intermediate <u>Performance Objectives</u> - are sub-functions of terminal objectives referring to a behavior, knowledge, or skill you want the learner to demonstrate along the way towards mastery of the terminal objectives. They are written in specific terms.

<u>Criterion</u> <u>Measures</u> - are the actual tests of evaluation exactly as it will be presented to the learner to see if he has met the objectives.

Method Media Analysis - specifically refers to personnel resources, tools, vehicles, software, and hardware media - the physical hows for implementing the methods or ways of curriculum implementation. (Each media center is different in the materials available to assist the instructor in lecturing and demonstrating. Therefore, the individual instructor must research the school's media center for the appropriate materials to be used).

Levels of Performance - The levels of performance (how well it must be done) given in this manual have been arrived at by the authors through past experiences and by consultation with other Industrial Arts teachers in Duval County. These levels are subject to change after try out. They are written as average levels of attainment that all students should achieve. This by no means limits the instructor, who can teach as far above the level as possible.

These objectives are minimal - The objectives in this manual represent the basic "need to know" knowledge and skills that should be attainable by any student that meets the prerequisites of the courses.

<u>Courses Prerequisites</u> - The prerequisites for these courses may need revision. For example, if your course calls for a certain skill in reading ability and you are getting students below this ability that cannot perform up to the course standards, then a prerequisite of "must be able to read at the -- level" may be needed.

4

The state of the s

* ACKNOWLEDGEMENTS *

This manual has been developed following guidelines established by S. A. F. E. (System Approach for Education) training program.

Recognition and appreciation are extended to the following educators who have assisted in the preparation of this manual.

Mr. David A. Rigsby, Director of Vocational Education

Mr. Lowell T. Hudson, Supervisor of Industrial Arts

The following educators participated as writers of this manual.

- Mr. Edwood Bunch, Joseph Stilwell Jr. High School
- * Mr. Paul Goldsbury, Terry Parker Sr. High School
 - Mr. Dick Jones, Sandalwood Jr. Sr. High School
 - Mr. George Maust, Jr., A. I. DuPont Jr. High School
- * Mr. Lowell Meckley, Edward H. White Sr. High School
 - Mr. Wendell Scoles, Edward H. White Sr. High School
- * Co-Chairman

Manual prepared by Mr. Chester Seivert, Forrest Sr. High School

Typist Anne Voutour





WOODWORKING - WOODS IA & IB

WOODWORKING - 7th GRADE Course Description		
Course Description 1 Syllabus 2 1.0 - Orientation 3 2.0 - Safety 5 3.0 - Kinds and Uses of Wood 7 4.0 - Hand Tools 9 5.0 - Planning and Layout 11 6.0 - Wood Joining and Fastening 14 7.0 - Finishing 16 WOODWORKING - 8th GRADE Course Description 18 Syllabus 19 1.0 - Orientation 20 2.0 - Safety 22 3.0 - Kinds and Uses of Woods 24 4.0 - Hand Tools 26 5.0 - Planning 28 6.0 - Wood Joints 26 6.0 - Wood Joints 31 7.0 - Fastening and Assembly 33 8.0 - Finishes 36 9.0 - Scroll Saw 38 10.0 - Drill Press 41 11.0 - Wood Lathe 44 WOODS IA - 9th GRADE	s Manual	ii iii
Syllabus 2 1.0 - Orientation 3 2.0 - Safety 5 3.0 - Kinds and Uses of Wood 7 4.0 - Hand Tools 9 5.0 - Planning and Layout 11 6.0 - Wood Joining and Fastening 14 7.0 - Finishing 16 WOODWORKING - 8th GRADE 18 Course Description 18 Syllabus 19 1.0 - Orientation 20 2.0 - Safety 22 3.0 - Kinds and Uses of Woods 24 4.0 - Hand Tools 26 5.0 - Planning 28 6.0 - Wood Joints 31 7.0 - Fastening and Assembly 33 8.0 - Finishes 36 9.0 - Scroll Saw 38 10.0 - Drill Press 41 11.0 - Wood Lathe 44 WOODS IA - 9th GRADE Course Description 51	DE	
3.0 - Kinds and Uses of Wood 7 4.0 - Hand Tools 9 5.0 - Planning and Layout 11 6.0 - Wood Joining and Fastening 14 7.0 - Finishing 16 WOODWORKING - 8th GRADE Course Description 18 Syllabus 19 1.0 - Orientation 20 2.0 - Safety 22 3.0 - Kinds and Uses of Woods 24 4.0 - Hand Tools 26 5.0 - Planning 28 6.0 - Wood Joints 31 7.0 - Fastening and Assembly 33 8.0 - Finishes 36 9.0 - Scroll Saw 38 10.0 - Drill Press 41 11.0 - Wood Lathe 44 WOODS IA - 9th GRADE		2 3
Course Description 18 Syllabus 19 1.0 - Orientation 20 2.0 - Safety 22 3.0 - Kinds and Uses of Woods 24 4.0 - Hand Tools 26 5.0 - Planning 28 6.0 - Wood Joints 31 7.0 - Fastening and Assembly 33 8.0 - Finishes 36 9.0 - Scroll Saw 38 10.0 - Drill Press 41 11.0 - Wood Lathe 44 WOODS IA - 9th GRADE 51	ning	-
Syllabus 19 1.0 - Orientation 20 2.0 - Safety 22 3.0 - Kinds and Uses of Woods 24 4.0 - Hand Tools 26 5.0 - Planning 28 6.0 - Wood Joints 31 7.0 - Fastening and Assembly 33 8.0 - Finishes 36 9.0 - Scroll Saw 38 10.0 - Drill Press 41 11.0 - Wood Lathe 44 WOODS IA - 9th GRADE 51 Course Description 51	ADE	
Course Description	S	18 19 20 22 24 26 28 - 29 31 33 - 34 36 38 - 39 41 - 42 44 - 48
-		
1.0 - Orientation 53 2.0 - Safety 55 3.0 - Occupations 58 4.0 - Kinds and Uses of Woods 60 5.0 - Handtools 62 6.0 - Wood Joints 65	S	51 52 53 55 - 56 58 60 62 - 63 65 -67 69 - 71



- C. r

73

THE TOTAL AND THE PROPERTY OF		
	ng	75 - 76
	***************************************	78
	Saw	80 - 81
	ress	83 - 84
	******************	86 - 87
	[89 - 90
15.0 - Circula	rSaw	92 - 94
16.0 - Portabl	le Sanders	96
- 100 mm -		
WOODS IB	- 9th GRADE	
Course	Description	98
Syllabu	18	99
1.0 - Orienta	ation	100
	*****************	102- 103
	ations	105
	and Uses of Woods	107
	Cools	
		109-110
6.0 - Wood a	Joints	112 - 114
	ing and Assembly	116 - 118
	ng and Finishes	120
	ng	122
10.0 - Design	*****************	124
11.0 - Scroll S	Saw	127 - 128
	ress	130 - 131
	Lathe	133 - 135
	****************	137 - 138
[4] La Jointer		TO 1 - TOO
		140 141
15.0 - Circular	r Saw	140 - 141
15.0 - Circular 16.0 - Portable	r Saw	143
15.0 - Circular 16.0 - Portable 17.0 - Bandsav	r Saw	143 145 - 146
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine	r Saw	143 145 - 146 148
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw	143 145 - 146 148
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151
15.0 - Circular 16.0 - Portable 17.0 - Bandsav 18.0 - Machine 19.0 - Routers	r Saw e Sanders w e Sanders e Sanders	143 145 - 146 148 150 - 151

WOODWORKING

ACCREDITATION NO. 5871

LENGTH OF COURSE: 9 WEEKS

GRADE LEVEL: 7th

PROGRAM PATH: CAREER EDUCATION, EXPLORATORY, PRE-COLLEGE

PREREQUISITE(S): 7th GRADE

COURSE DESCRIPTION:

Basic hand woodworking course to include planning and layout, skill in the use of hand tools, construction and identification of simple joints, and the use of fasteners and finishing methods.



WOODWORKING 7th GRADE

- 1.0 Orientation
- 2.0 Safety
- 3.0 Kinds and Uses of Woods
- 4.0 Hand Tools
- 5.0 Planning
- 6.0 Wood Joints and Fastening
- 7.0 Finishing



COURSE	WOODWORKING
Orrentali	7th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 1.0

ORIENTATION

The learner will, with 80% accuracy, list the classroom responsibilities expected of him. The learner will also demonstrate, orally, his knowledge of the grading procedures used in this course of study.

10.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will write and define the responsibilities (listed below) expected of him in the general woodworking laboratory.	1.1	Write and define five (5) areas of responsibility expected of you as a learner.
	 Punctuality Citizenship Safety Behavior Good Housekeeping 		· · · · · · · · · · · · · · · · · · ·
2	The learner will orally recall the following areas to be graded in this course of study.	1.2	State the four (4) areas to be considered in arriving at a final grade.
	 Projects Tests Written Work (other than tests) Daily Performance 		
		,	
			· · · · · · · · · · · · · · · · · · ·
の一般に対している。		10	3

Terminal Performance Objectives - 1.0

I. P. No	M/M No	Metnod / Media Selection	
	en f		
1.1	1.1.1	Lecture	
		Chalkboard	
1.2	1.2.1	Lecture	
1.2	1.2.1		
		Chalkboard	
		••	
		भारत-पूर् स	÷
All and the second		n.	
in the first of the second of			
为的。 作物的			
inger in a significant	\hat{q}_{τ}	· Control of the control	
		The state of the s	
			. =
		् अ.स.	
		11	
1) 1 (1) 1 (1) 1 (1) 1 (1) 1 (1)			
	ا مود الأرود والمساوات		4

COURSE WOODWORKING 7th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 2.0

SAFETY

The learner will write ten (10) of the fifteen (15) General Safety Rules of the woods laboratory, define in writing the term "Safety Consciousness", and will demonstrate his ability to follow the rules of good housekeeping in the laboratory.

NO.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
2.1	The learner will list fifteen (15) General Safety Rules of the woods laboratory.	2.1	Write fifteen (15) General Safety Rules from memory.
	 No horseplay No running in the laboratory Keep your tools clean Keep volatile materials in proper containers Wear proper clothing Keep the floor area clean Wear safety equipment where required Know fire drill procedures Keep safety guards in place Use the proper tool Get instructor's permission before operating any machinery. Know the location and use of all fire extinguishers. Report all malfunctions or breakage to the instructor. Report any injuries at once Report any unsafe practices at once 		
.2	The learner will define in writing the term "Safety Consciousness" as "each individual's responsibility to protect himself and others in any and all laboratory situations."	2.2	Define in writing the term "Safety Consciousness".
.3	The learner will demonstrate, by daily actions, his ability to follow the rules of good housekeeping. 1. Keep tools clean 2. Clean the equipment properly 3. Store all tools properly	2.3	You will be graded on your willingness and ability to follow the four (4) rules of good housekeeping. 1. Keep tools clean 2. Clean the equipment properly
	4. Clean assigned area		3. Store all tools properly 4. Clean assigned area

Terminal Performance Objectives Method / Media Selection Lecture **Handout Sheet** Film Lecture 2.2.1 2.3.1 Lecture Demonstration 13

COURSE WOODWORKING

7th Grade

WRMINAL PERFORMANCE OBJECTIVE NO. 3:0

KINDS AND USES OF WOOD

With 70% proficiency, the learner will identify, visually, four (4) commonly used woods and will write the individual characteristics of each.

NAMES OF THE PROPERTY OF THE P	PERFORMAN	CE: OBJECTIVES	NO.	CRITERION MEASURES
melemertillel medinister	lentify orally, fo cods.	our (4) commonly	3.1	Identify orally the four (4) wood samples shown by your instructor.
14: Mahogany 2: Pine 3: Poplar 4: Walnut				
Hine learner, will, in	writing, list the four (4) comm	only used woods.	3.2	List, in writing, the basic color and work- ability of the four (4) commonly used woods.
Name	Color	Workability (Hard, Med., Soft)		
1 Mahogany	med. red			
2/3 Pine	red-brown	A SAN TO THE STATE OF THE SAN		
Poplar	yellow	M		
4 Walnut	brown	M		
	A mention of the second of the			
	Carlos Ca			
	Ostinii S Parkinii S Parkinii Salaye (2) Parkinii Salaye (2)			
			1 4	7
		ing graph (1) and a state of the state of th	Listy And S	

	n Silver Silver		METHOD / MED	Marke Telephone Markette			নের মান্তর্ভুক্তির ক্রিনির জিল্লা মান্তর্ভুক্তির করে সংগ্রহ	
	l Perfo	mance Objectives	3.0		a			1 a)
						ŧ		
								i, işçi
				H-1	1			
		TO MANAGEMENT OF THE PARTY OF T						
	147 <u>1</u>		Method	/ Media Se	lection			
				/ Media Ge	16CHOII			7
	3771	Lecture						
		Samples	있는 보고 있는 것이다. 맛있다면 하면 그는 보고 있는					
						** *. *		
	******	Film			the state of the s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
						÷ .		
2	3.2.1	Lecture	naz konski sakili kalenda zazi 1900 Kalendaria	erregie i Georgia. Georgia	yang dan gertagan dan dan dan dan dan dan dan dan dan d	e kraja separala	ay magaligah di sebesah di disebesah di disebesah di disebesah di disebesah di disebesah di disebesah di diseb Terretak di disebesah	- San American Constitution of the Constitutio
		Text						
		Examination She						
		Assimination one	96 98		Company to the			ge and the second secon
								r jeft ja júli
				Pure say	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
					9			
			er ar er er Grand er	Service Line				
	74.5							
					·			
						, i		
		A Commence of the Commence of						
		Market and the second of the s			4			* * * * * * * * * * * * * * * * * * *
藏								
					· .			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Andreas and the second	gar rein si			•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
						5	z .	
					•			
				•	ਰੂ		•	
			:			· 1454	;	
			1	. 5		i î.e.	of the second se	
							•	
		eta artikalari Marija dan er Marija dan erakan			€	•		
			±•**				÷	



COURSE WOODWORKING
7th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 4.0

HAND TOOLS

With 70% accuracy, the learner will orally identify twenty (20) basic hand tools of the wood laboratory and properly demonstrate his ability to clean and store these tools.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	1	
The learner will; orally, identify these twenty (20) hand tools of the woods laboratory.	4.1	Orally identify the hand tools displayed by the instructor.
Net1.: crosscut saw		
2 rip saw		
3. planer (smooth)		
4: chisel (wood) 5: try square		
6: carpenter's square (framing)		
7. back saw		
8. coping saw		
9. compass saw 10. T bevel	,	
#11// wood gauge		
12. rasp		
13. hand drill		
14. auger bit 15. hammer (claw)		
16. screwdriver		
17. itwist drill		•
18 wood mallet		•
-19 cabinet file 20. brace		
The learner will clean and properly store hand tools	4.2	You will clean and properly store all hand
used in the woods laboratory.		tools used in the woods laboratory.
		•
		· ·
Andre State St Company of Control State St		
Registration with the second of the second o	.	÷
		<u>s.</u>
	Ю	9

Terminal Performance Objectives

- 4.0

i . No	M/M No		Method / Media Selection		-, -
	2000 22 A	Harris Andrews			
4.1	4.1.1	Demonstration	•		
		Lecture		-	
		Tool Samples			'
		[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]			
(.		Handout Sheet			
1.2	4.2.1	Demonstration			
. ;∠.;€	4.4.1				•
18 (17) 18 - 21 (27		Lecture			
		Observation	and the second s		
	garantan ang mang mengang meng Mengang mengang mengan Mengang mengang mengan	Allen et autoriale de la companya del la companya de la companya d			
	The state of the s				÷4.
		i Agiste			
	Walter A	Fair Control			
			3		2 · .
rive y in cir.		Artista (Carlos)	· · · · · · · · · · · · · · · · · · ·		*
ki kir		and the second s			* .
	A SECTION OF THE SECT	7. (2. (1. (1. (1. (1. (1. (1. (1. (1. (1. (1			
	The state of the s				
	Territoria Anti- Service and Anti- Service and Anti-				
	THE STATE OF THE S				
		Andrews American Company of the Comp			
			17		
		ender Partie en	•		
	420.45				
	120000 45	less throws the large		10	

COURSE WOODWORKING

7th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. <u>5.0</u>

PLANNING AND LAYOUT

The learner will, with 80% proficiency, demonstrate his ability to write a planning and procedure sheet. He will list the tools to be used, the procedures necessary for completion, and transfer his design on the stock supplied.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	1
The learner will write a project planning and procedure sheet; and list the correct tools necessary to follow the procedures.	5.1	Fill out the project plan sheet as supplied by the instructor.	
Attached: Sample of project planning sheet.			
The learner will transfer the outlines of the pieces of his design to the appropriate wood stock using a PENCIL, a bench rule, a try square, a compass, other tools or templates as required.	5.2	Transfer your design to the stock as designated by the instructor.	
			:
			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	18	11	

PROJECT PLAN SHEET

lame	Course & P Date Begun Estimated time	eriod			
ate Completed =	Estimated time	Ḥrs			
ctual time required gurce of the idea & drawing -	Actual time — Estimated time -		. % ettic	ciency 	
gyrce or the idea a drawing -					
	BILL OF MATERIALS				
o: Of leces Part Name	All Specification Tx W x L Material	Cubic Inches	Board Feet		Tota Cost
		 			
		-			
			· · · · · ·		
friferijk Vistori Distrik	The state of the s			\	
	angles and angles of the control of the section of the control of				
STEPS O	F PROCEDURE TO	OLS & M		l Cost	UIRE
	F PROCEDURE TO	OLS & M			UIRE
	F PROCEDURE TO	OLS & MA			UIRE
	F PROCEDURE TO	OLS & M			UIRE
	F PROCEDURE TO	OLS & M			UIREI
	F PROCEDURE TO	OLS & M			UIRE
	F PROCEDURE TO	OLS & M			UIRE
	F PROCEDURE TO	OLS & M			UIRE
	F PROCEDURE TO	OLS & M			UIREI
	F PROCEDURE TO	OLS & M			UIREI
	FPROCEDURE	OLS & M			UIREI
	FPROCEDURE	OLS & MA			UIREI
	FPROCEDURE	OLS & MA		SREG	UIRE
		OLS & MA			UIREC
				SREG	UIREC
				SREG	UIREC
				SREG	UIREC
				SREG	UIREI

12

(erminal Performance Objectives - 5.

	M/M		
健康	No.	Method / Media Selection	
	75.1.1	Planning Sheet	
		Lecture	
*		Chalkboard	
1		통합하는 경기에 가장 하는 것이다. 하는 사람들은 사람들이 되는 것이 되었다. 그런데 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면	
	5.2.1	Tools and Equipment	
		Stock Materials	
i e		활동하다 (1985년) 1일 전 1일	

*			
			**
		A firm of the common terms of t All the common terms of the common	
		e Court de Maria de la companya de La companya de la co	
			•
		ranger for the control of the contro	
Sir.			
3			
		20	
		and the figure of the control of the	
	U.A.		
		13	

COURSE WOODWORKING 7th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. <u>6.0</u>

WOOD JOINING AND FASTENING

The learner will, with 75% proficiency, demonstrate his ability to join and fasten wood stock using one (1) or more of four (4) basic methods.

(O)	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will square and prepare (sand) wood stock as a preparation for joining.	6.1	Square and sand the wood stock to be joined. Follow these steps of procedure:
			1. Cut pieces to approximate length.
		**************************************	2. Sand to proper dimensions, making sure stock is square.
			3. Drill pilot holes, if needed.
2	The learner will identify, orally, four (4) methods of wood joining.	6.2	Orally identify the four (4) samples of basic wood joining methods shown you by your instructor.
	1. Nails 2. Screws 3. Edge joint (glued) 4. Butt joint (glued)		
	The learner will join stock pieces to complete his project.	6.3	Decide the method to be used and join the stock pieces, following the instructor's directions and the materials supplied.
	21	į.	14

Terminal Performance Objectives

r.

- 6.0

100 A	起版成字中 例如1000年	報告的はいからした。 数数数の支持を持ちません。	7
ELP.	M/M	MAR 1971 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
97. 2	No.	Method / Media Selection	-
62	6.1.1	Lecture	
		Demonstration	
	g Ori. Tr	Film	
	Marinet alfabrica	Stock	
		RAMAN TO BE A STATE OF THE STAT	
6.2	6.2.1	Lecture	•
	to the control of the pro-	Demonstration	
	The state of the s	Samples	
6.3	6.3.1	Demonstration	,
	1920 A. 124 A. L. 125 A. L.	Tools	
H (100 lot of 100 lot) H (100 lot) M (200 lot)		Materials	
		·	
	Sales Sign		
i di			
A Chair	in the second second	22	
A Charles			
	September 1	1 ₅	

COURSE WOODWORKING 7th Grade

TERMIN.	AL PE	RFOR	MAN	CE
OBJE	TIVE	NO		

FINISHING	
FINISHING	

With 75% proficiency, the learner will identify given finishing materials and demonstrate his ability to properly prepare and apply a finish to a wooden surface. He will demonstrate his ability to thoroughly clean and store the tools and materials used in finishing.

σ.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will identify, in writing, the four (4) major steps in applying a finish to wood.	7.1	Using your text as a guide, define in writing the four (4) major steps in applying a finish.
	1. Sanding - preparing the surface 2. Staining - adding color and highlight 3. Sealing - wash coat sealer 4. Finish - beautifying		
2.	The learner will properly prepare a selected or assigned project and apply a finish.	7.2	Properly sand the selected or assigned project and apply the finish with the materials issued by your instructor.
	1 Sand 2 Stain 3 Seal 4 Finish		
	The learner will properly clean and store the tools and materials used in finishing.	7.3	Clean and store all tools and equipment used in finishing.
			en e
		* ************************************	
	Jacker St. Washington Co.		16

Terminal Performance Objectives - 7.0

建筑 建筑		Afficiency of the second of th
HEEP TO	M/M	
EN OSE	No	Method / Media Selection
127 1	77.1.1	Lecture
		Textbook
		Demonstration
	SALE OF THE SALE O	
A		
7.2	, 7.2. J	Demonstration
		Tools and Materials
	医	
B	615.4	機能性はAutor Million (Autor) (A
7.3	77.3.1	Observation by Instructor
		Tools and Materials
l Carrie		
	4	
	ing way as to Managaran	
	ing a service and a	
No.		
P State 2		
Name of the second		「 数算によった。
	A Comment	
	1000	
		24
		<u>△</u> 4
	ALDINESSI Merika	
	差验	17
		SPANISA PARAMENTAN TANDAHAN KANCANTAN MENGANTAN MENUNTUK MENUNTUK MENUNTUK MENUNTUK MENUNTUK MENUNTUK MENUNTUK M

ERIC

WOODS

ACCREDITATION NO. 5862

LENGTH OF COURSE: 9 WEEKS

GRADE LEVEL: 8th

PROGRAM PATH: CAREER EDUCATION, EXPLORATORY, PRE-COLLEGE

PREREQUISITE(S): 8th GRADE STUDENT

COURSE DESCRIPTION:

Basic hand woodworking course. Activities include planning and layout, design and construction, using bill of materials, and finishing procedures. Some machine work is involved.

WOODWORKING 8th GRADE

- 1.0. Orientation
- 2.0 Safety
- 3.0 Kinds and Uses of Woods
- 4.0 Handtools
- 5.0 Planning
- 6.0 Wood Joints
- 7.0 Fastening and Assembly
- 8.0 Finishes
- 9.0 Scroll Saw
- 10.0 Drill Press
- 11.0 Wood Lathe

NOTE: This course was designed for a nine (9) week period of study. It will be the individual instructor's decision as to how extensively he covers the materials, depending on his own particular "time allotted" situation. This course was designed to follow a Path from fundamental processes to an "in depth" study in sequential order. The instructor should not reverse the order in which The Terminal Performance Objectives are written, but should teach as far into each as time will permit.

COURSE	WOODWORKING
O C C C C C C C C C C C C C C C C C C C	8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 1.0

ORIENTATION

20

The learner will, with 80% accuracy, list the classroom responsibilities expected of him. The learner will also demonstrate, orally, his knowledge of the grading procedures used in this course of study.

ÑŌ.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
:11	The learner will write and define the responsibilities (listed below) expected of him in the general wood-working laboratory.	1.1	Write and define five (5) areas of responsibil expected of you as a learner.
	1. Punctuality 2. Citizenship 3. Safety 4. Behavior 5. Good Housekeeping		
1.2	The learner will orally recall the following areas to be graded in this course of study.	1.2	State the four (4) areas to be considered in arriving at a final grade.
	 Projects Tests Written Work (other than tests) Daily Performance 		
		ę.	
			·
	27		

Terminal Performance Objective

- 1.0

Method / Media Selection T. 1.1.1 Lecture Chalkboard Handout Sheet Chalkboard Chalkboard A		The second secon		Control of the Contro		•
1.1. 11.1 Lacture Chalkboard Handout Sheet 1.2. 1.2.1 Lecture Chalkboard 1.3. 1.3.1 Lacture Chalkboard 1.4. 1.5.1 Lecture Chalkboard 1.5. 1.5.1 Lecture Chal				And the second s		
1.1. 11.1 Lacture Chalkboard Handout Sheet 1.2. 1.2.1 Lecture Chalkboard 1.3. 1.3.1 Lacture Chalkboard 1.4. 1.5.1 Lecture Chalkboard 1.5. 1.5.1 Lecture Chal			5477X		· ·	
Chalkboard Handout Sheet Lecture Chalkboard Chalkboard Chalkboard Chalkboard Chalkboard					Method / Media Selection	
Chalkboard Handout Sheet Chalkboard Chalkbo	Ż	新型布状 的	以基件的	Activist Control		
Chalkboard Handout Sheet Chalkboard Chalkbo		11	1.1.1	Lecture		
Handout Sheet Lecture Chalkboard						
1.2.1 Lecture Chalkboard				Chalkboard	·	
1.2.1 Lecture Chalkboard				Handout Sheet		
Chalkboard					•	٠
Chalkboard		41.9	7 2 1	Lecture	· ·	
28		4 5 1				
28				Chalkboard		
28				Marin Andrews		
28			Arriva	Partie of the second	the same and the s	
28						
28	2	3 5071.1				
28						
28		(4)				
28						
28						
28	#J		main The second	. *		
28						
28						
28						•
28				,		
28		Maria (A)	elektrika terre Elektrika terre Elektrika er och			
28			(発達する) (10歳) - 4 (10歳) - 4 (10歳) - 4			
28					•	
28			a delatation	The state of the s		ne e mer de
					14	
				en j Her		
	滋				0.0	
		Specifications Particular		in the second of	28	
				I (No. 1) Transis (1) Januari (1) Transis (1) Januari (1) Transis (1)		
解释放量的外 学是快速报酬量的的时候,这一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个				And the second s		·
21			A STATE OF	を表する。 を表する。 ・	a1	

COURSE WOODWORKING 8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 2.0

SAFETY	

The learner will write ten (10) of the fifteen (15) General Safety Rules of the woods laboratory, define in writing the term "Safety Consciousness", and will demonstrate his ability to follow the rules of good housekeeping in the laboratory.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will list fifteen (15) General Safety Rules of the woods laboratory.	2.1	Write fifteen (15) General Safety Rules from memory.
1. No horseplay 2: No running in the laboratory 3. Keep your tools clean		
5: Keep volatile materials in proper containers 6. Keep the floor area clean		
7. Wear safety equipment where required 8. Knowdire drill procedures 9. Keep safety guards in place		
10: Get instructor, s permission before operating any machinery 11. Use the proper tool 12. Know the location and use of all fire extinguish		y and angular and angular and angular a
ers 13. Report all malfunctions or breakage to the instructor 14. Report any injuries at once 15. Report any unsafe practices at once		
The learner will define in writing the term "Safety Consciousness" as "each individual's responsibility to protect himself and others in any and all lab-	2.2	Define in writing the term "Safety Consciousness
The learner will demonstrate, by daily actions, his ability to follow the rules of good housekeeping.	2.3	You will be graded on your willingness and ability to follow the four (4) rules of good
1: Keep tools clean 2: Clean the equipment properly 3: Store all tools properly 4. Clean assigned area		housekeeping. 1. Keep tools clean 2. Clean the equipment properly 3. Store all tools properly 4. Clean assigned area

Terminal Performance Objective - 2.0

	L P.	l va	
	No.	M/M No	Method / Media Selection
	·:/2.1 ·	2.1.1	Lecture
			Film
1			Handout Sheet
のはない			
E	2.2	2.2.1	Lecture
1300	2.3	2.3.1	Lecture
0.00	And The second	स्वेशकां मार्थिता स्वार	Demonstration
100			
		e a grand de la companya de la compa	
		,	and the second s
of the No.			
		,	
On the last			
		1770	
House of the last			
I			
1		ant resource as and	
		part At	
			·
ľ	ia jen Vesti de n		30
	ngelon og hag gill forgåren skap konskrignen skap diskrignen		
	adaliyada afiyada afiyada		en de la companya de Esta de la companya d
1 100			
素語技術		A Service Constitution of the Constitution of	



COURSE WOODWORKING

8th Grade

TÉRMINAL PERFORMANCE OBJECTIVE NO. 3.0

KINDS AND USES OF WOODS

The learner will, with 70% proficiency, by written and oral examination, identify four (4) commonly used laboratory woods. He will define the basic characteristics of each and apply these properties to practical use.

w the four (4) wood samples your instructor.
your instructor. ut sheet write the working
e wood listed.
or assigned project, list the and write at least three (3) reason.
į

Terminal Performance Objective - 3.0

	LP.	M/M					
教徒と	No.	No.		Method / Media S	Selection		
	9.1	3.1.1	Lecture				
			Samples				
1000							
S - 18			Text				
JOHN C	3.2	3.2.1	Lecture				
新加州			Samples				
			Text				
			Examination Sheet				
が大き			Examination Sheet	. ≇			
E CONTRACTOR	. 3.3	3.3.1	Lecture				
			Samples		* 75		
			Text		198 1985 - 1		
			Handout Sheet		jumme."	ě	
	The same of the		Handout bricet	•			•
	Signature Signature Signature		•				
はされ							
			THE ACT OF THE PARTY.		•		
		ing to the second secon	e de la companya de l				•
	AFAMAN VE						
以			oranga				
以							
	が、 では、 では、 では、 では、 では、 では、 では、 では			32			
がは他							v.
		in in the second			Francisco (Francisco)		25

ERIC

*Full Text Provided by ERIC

COURSE WOODWORKING 8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 4.0

HAND TOOLS

The learner will, with 80% proficiency, demonstrate orally his ability to recall the proper names of twenty (20) basic hand tools and demonstrate the proper use and care of these tools.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will identify, orally, the twenty (20) basic	4.1	Identify orally each of the twenty (20) tools
hand tools of the woods laboratory.		displayed by your instructor.
	1	
1. crosscut saw	1 1	
2: rip saw 3: smooth plane		
4. wood chisel	1 1	
5. try square		
6. framing square		
7. back saw	'	
8. coping saw 9. bench rule		
10. sliding T bevel		
%11. block plane	1 1	
12. rasp (wood)		
13 hand drill		
14. auger bit 15. hammer (claw)		·
16. screw driver (standard)		
2817. twist drill	1	•
18. wood mallet		
19: cabinet file		
52.20. brace		
	in the second	and the second of the second o
The learner will demonstrate his ability to use and properly care for the twenty (20) basic hand tools of the woods laboratory.	4.2	Demonstrate to the instructor the proper use and care of each of the twenty (20) hand tools.
Section 1997 And Administration 1997 And Administratio		
Marian de la companya del companya de la companya del companya de la companya del la companya de	1 1	
		•
0.0		
33	1	

Terminal Performance Objective - 4.0

1. P.	M/M	
No.	No.	Method / Media Selection
4.1	4.1.1	Lecture
	2000 mg - 1200 2000 mg - 1200 mg - 1	
		Demonstration
		Samples
e Blanks		m .
		Text
		Film
		First Harris Har
		Observation
	-	
4.2	4.2.1	Demonstration
100 C		Observation
	1	
	1	
	ł. I	
Setuati Second]	
	ľ	·
	. 4	
Same Andreas	La cod Herca Color	
	. [
	[
A.,		
	. 1	9.8
	1 1/2 I	34
開催機能 1977年 第1982年 - 第1987 第1982年 - 第1		
Market in the	GV. Matteration	en en traditioner de la company de la co Apprendiction

COURSE	WOODWORKING
	8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. <u>5.0</u>

PLANNING

The learner will, with 80% proficiency, write a planning and steps of procedure sheet to complete a laboratory project. He will also draw a freehand sketch of his selected or assigned project.

	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will complete an instructor issued planning and steps of procedure sheet. (See attached sheet)	5.1	In writing, complete the planning sheet and steps of procedure sheet issued you.
	The learner will attach a freehand sketch of his project to a planning sheet(s).	5.2	Attach a freehand sketch of your completed planning sheet(s).
建筑器			
を経済がある。			. 6°
会の人物の名言		·	
はいないと			
がたがははまった。	35		
ğ	Republisher (Manager Manager Manage	j	28

PROJECT PLAN SHEET

geriti saarin oo isaa gaaring oo ee geritii saarin oo oo gaaring oo					
Name	Course & Pe	eriod			
Name of project	Date Begun				
Date Completed	Estimated time	Hrs			
Acrual time required	Actual time — Estimated time —		70 ettic	rency	
Source of the idea & drawing -					
Francis Berlin (1995) (1995) (1995) Say a Maria (1995) (1995) (1995) Say a Maria (1995) (1995) (1995)	BILL OF MATERIALS				
0% (1994) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	BIEC OF MATERIALS				
No. 01		Cubie	Board	Unit	Total
Pieces Part Name	All Specification Tx W x L Material	Inches		Cost	Cost
		i			
Egginal (188					
사용 (1년 전 1912년) 					
(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)					
ACTION OF					
A SAN A			Total	Cost	
발표로 하는 것이 14 하는 것			•	_	
የ ፒ ቦያ በ	OF PROCEDURE TOO	LS & MA	CHINES	PEA	HDED
3, 2, 3 c	7 T KOCEDOKE 100	C 3 OF IMP	CHINES	KEŲ	
2					
18-31-2		<u> </u>			
eran Mari					
1960-1960-1960-1960-1960-1960-1960-1960-					
State And a					
Reference of the second					
	:				
A STATE OF THE STA					
多關於 語音的 2000 -					
Parties of the second s					
Proposition (m. 1990). In the state of the s					
	,	-			
	and named a latter story to the		•		
nke a detail working drawing a	ing offach to this plan sheet				
PPROVED BY					
		-			
Entertain to the transfer of the control of the con					

ERIC

Terminal Performance Objectives - 5.0

	I. P.	M/M	
	No.	No.	Method / Media Selection
	5.1	5.1.1	Lecture
			Demonstration
	Anglier and Andrews		Chalkboard
			Text
			Planning Sheet
意味を			
	5.2	5.2.1	Lecture
A Comment	Berger		Materials
			Handout Sheet
生物建			
TAY OF	作品。 新疆大学		
1			
語の意			
1	in company doc final post of the company		
形の記事を			
1	Barrellander (1985) Barrellander (1985) Barrellander (1985)	Kang-page-philips	e. Mariana di Mariana di Santana di Mariana di M
	10 km 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
6.4	lit o desifi No desifi No desifi	n	

100			
	1-50 1-45 1-45		37
1			30

COURSE WOODWORKING

8th Grade

1	El	Č.	۷H	N	٨	L	ľ	E	Į	ŀ	C	1	Ç.	1	Α	N	(;	ŀ	ė
											O							٠.	•	

WOOD JOINTS

With a proficiency of 80%, the learner will correctly identify five (5) wood joints, tell their use, and construct a project using two (2) of these joints.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
To approximate the second seco	1	
From pictures supplied by the instructor, the learner will in writing, correctly name five (5) wood joints.	6.1	On the handout sheet write the name below the joint pictured.
L. Butt		
2. Rabbet		
3. Dowell 4. Dado		
5. Miter		and the state of t
	,	
Given the previous list of five (5) joints, the learner will write a use for four (4) of them.	6.2	Write a use for four (4) of the wood joints pictured.
		en e
Using two (2) of the five (5) joints, the learner will	6.3	Construct a project assigned to you by the
construct an assigned project.	1	instructor using two (2) of the five (5)
		given joints.
	1	
		111
38		
Managem plane resident and the second		31

Terminal Performance Objective 6.0

			•
I.P.	м/м		
No.	No.	Method / Media Selection	
6.1	6.1.1	Lecture	
		Demonstration	
		Film	
		Text	,
	Section 1	Instruction Handout Sheet	
6.2	6.2.1	Demonstration	
		Handout Sheet	
	A Section of the Control of the Cont		
6.8	6.3.1	Demonstration	
		Planning Sheet	
		Materials Tools and Equipment	
	The state of the s	Tools and Equipment	
			·
			н
	papakanan ang kana i di mala kana di mala kana di mala di	the transfer of the state of th	e e e e e e e e e e e e e e e e e e e
			•
		39	
MATERIAL PAR	Final St.	en de la companya de La companya de la co	32

COURSE WOODWORKING 8th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. 7.0

FASTENING AND ASSEMBLY

The learner, with 80% proficiency, will identify orally or in writing, different fastening hardware, glues, and clamps used in the wood laboratory.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will identify, orally, three (3) common screwhead shapes.	7.1	Identify, in writing, the correct name of the following wood screws.
1: Flathead 2: Roundhead 3: Oval head		DIA. LENGIH
FLAT- ROUND- OVAL HEAD HEAD HEAD		ROOT DIA.
The learner will identify, orally, three (3) standard	7.2	Identify, in writing, the correct name of the
 types of nails. 1. Common 2. Finishing 3. Brad 		following standard nails.
		ا المنظمين المنظمين المنظمين المنظمين الم
The learner will identify on paper, the two (2) most common types of wood glue.	7.3	In the space provided, match column one with column two.
40		

COURSE WOODWORKING

Sth Grade

| FASTENING AND ASSEMBLY | FASTENIN

187919RMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
	7.3	Plastic Resin Glue	1. Comes pre- pared, dries fast.
		White Glue	2. Powder for dries slow.
The learner, will identify orally three (3) basic types of wood clamps.	7.4	Identify orally the correct na following three (3) wood clar	me of the
1. Bar Clamp 2. Wood Hand Screw 3. "C" Clamp		MAN AND	
	TO TERROR THE TO- MAN TO		
41			84

rminal Performance Objective - 7.0

		建设的设计。 1980年中国共享的1980年(1980年) - 1980年(1980年) - 1980年(1980年) - 1980年(1980年) - 1980年(1980年) - 1980年(1980年) - 1980年) - 1
	M/M	
	建	Method / Media Selection
	7711	Lecture
		Table Lecture
		Text
	Marie -	
		Samples
		Handout Sheet
		Section of the control of the contro
172	7:2.1	Lecture
	2752	Text
		Samples
		Handout Sheet
57.3	7.3.1	Lecture
機能		Material
		Examination Sheet
HER EST.		
	7.4.1	Demonstration
		Tools and Equipment
17		
	1 mil 1 m	
		$m{42}$
	Add St.	Typising pages 1. The control of the

35

COURSE WOODWORKING 8th Grade

TERM	INAL PER	FORMANCE
F OR	jective i	VO 8.0

FINISHES

The learner will, with 80% proficiency, prepare a wood surface and apply the desired finish:

	ing Sagaran	
INSURMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will define orally the definition of a finish.	8.1	Define, orally, the term Finish.
Finishes: applied to wood to protect and beautify the surface.		
The learner will define, in writing, the four (4) major steps to be followed in applying a finish to wood.	8.2	Define, in writing, the four (4) major steps to be followed in applying a finish.
2. 1. Staining - coloring 2. Filling - fills the grain 3. Sealing - prevents bleeding of stain 5. 4. Finish Coat - protects and beautifies		
The learner will apply selected finish to wood and demonstrate his ability to clean and care for the tools and materials involved.	8.3	Apply the desired finish to an assigned or selected wood project and properly clean and store materials and tools used.
	ess province in an engage	¥
43		

Terminal Performance Objective

-8.0

and the second		Milder and Control of the Control of
	M/M	Method / Media Selection
A NO.	No	RESERVE SELECTION AND AND AND AND AND AND AND AND AND AN
8.1	811	Lecture
8.2	8.2.1	Lecture
		Materials
		Handout Sheet
8.3 f	8.3.1	Lecture
		Demonstration
PATRICE.	17.	Tools and Equipment
		Materials

44

COURSE WOODWORKING

8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. <u>9.0</u>

SCROLL SAW

38

With 70% proficiency, the learner will demonstrate orally his ability to name the basic parts of a scroll (jig) saw and will demonstrate the proper set up and safe operation of this saw.

UNTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Tipe learner will orally identify the major parts of a scroll((ijg) saw.	9.1	Orally identify the major parts of the scroll saw.
OVERAGE UPPER		 Overarm Stand Speed Control Handle Motor Table
TOTAL TENENT OF THE PARTY OF TH		6. Hold down 7. Guide Post 8. Base 9. Chuck 1 0. Tension Sleeve
ZAMATE SA		
CONDIES.	- M	
		45

	E WOODWOI	aki ku sa Mara		
 TERMINAL PI OBJECTIVE	**************************************	h Grade —SCROL	-SAW	
		and the second		

the teagle will demonstrate the proper operation of the crolls aw by cutting (for assembly) a selected or saw. Follow these instructions: 1. Adjust the guide so that the spring tension holds the storagainst the table. 2. Hold piece with thumb and of both hands. 3. Apply even forward pressur 4. Feed the stock into the black of Plan your cutting carefully. 7. Wear safety goggles.	
1. Adjust the guide so that the spring tension holds the sto against the table. 2. Hold piece with thumb and of both hands. 3. Apply even forward pressur 4. Feed the stock into the black for the black for the stock into the stock into the black for the stock into the black for the stock into the stock in	t on the so
2. Hold piece with thumb and of both hands. 3. Apply even forward pressur 4. Feed the stock into the blue for material slowly when curve. 6. Plan your cutting carefully.	
4. Feed the stock into the blue 5. Turn material slowly when curve. 6. Plan your cutting carefully.	i forefing
5. Turn material slowly when curve. 6. Plan your cutting carefully.	re.
curve. 6. Plan your cutting carefully.	ıde slowly
The state of the s	cutting a
7. Wear safety goggles.	

	rmance Objectives - 9.0		
		The second secon	1
		$\frac{d}{dt} = \frac{dt}{dt} = \frac{dt}{dt} = \frac{dt}{dt} = \frac{dt}{dt}$	in the second
			1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
	Method / Media Selection		
9,111	Lecture		•
	Demonstration		
	- Equipment		
9.21	Assignment or selected project		1.1
	Demonstration		in in dela Transport
	Safety Lecture		
	Observation		
			* 255
			1 1 1 1 1 1 1 1
		#	
E 2006	Action of the control		4
	Administration of the Community of the C		
	Appendix and a property and the second and the seco	The state of the s	sa sing sa massi ya mambase
		. •	
			i i
		# 00 A A A A A A A A A A A A A A A A A A	·
	The state of the s	are.	
		ı	•
	47		
物的流	MATERIA ATTITUTE Material Control Material Control		•
	(2000年) 1000年 (1000年) 1000年		
	「		10

COURSE WOODWORKING

8th Grade

TERMINAL PERFORMANCE
SOBJECTIVE NO. 10.0

DRILL PRESS

With 70% proficiency, the learner will identify, orally, the basic parts of a drill press and will demonstrate his ability to set up and safely operate this press.

NUCRMEDIATE PERFORMANCE OBJECTIVES NO. CRITERION MEASURES Fire learner will orally identify the major parts of a 10.1 Orally identify the major parts of a drill press drill press 1. Base 2. Table Locking Clamp 3. Column 4. Motor 5. Depth Stop 6. Quill Lock 7. Quill 8. Chuck OUILL 9. Feed Handle LOCK 10. Table OUILL CHUCK FEED HANDLE TABLE LOCKING CLAMP

Hall Control Since Handal Hall S

48

41

CO	ÜI	tsi	<u>, M</u>	O	<u>DDV</u>	VOR	K	NG	· ·	
5.		. A.				. 04	4	Charles .		

8th Grade

PERFORMANCE OBJECTIVE NO. 10.0 cont'd.

DRILL PRESS

WRMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
ne learner: will demonstrate his ability to set up and operly/operate a drill press to complete a selected assigned project:	10.2	Properly set up and operate the drill p to complete an assigned or selected pr Follow these instructions:	oress oject.
		 Locate and punch hole center Select the correct size drill Fasten drill in chuck Adjust speed - (slower for larger dr Adjust the table height Place the scrap under the stock Clamp the work piece securely Wear eye protection Feed with slow pressure 	ill)
	, ,		
And the second s	to extraction of	OMESTICATA ESTA ESTA ESTA ESTA ESTA ESTA ESTA E	· · · · · · · · · · · · · · · · · · ·
			:
			٠.
	1 1		
		•	
MATERIAL (MATERIAL AND			
	1	49	

minal Performance Objective - 10.0

	Charles and		· · · · · · · · · · · · · · · · · · ·
	SOURCE		
	MM	Method / Media Selection	
MEN (MARK)	I WO	Memou / Mema Selection	
	15 A.		
102	10.1.	Lecture	
n e	X.	Demonstration	
		Million white the state of the	
		Film	
		- Table State St	
		Text	e de la fina
		Equipment	; y 484-42.
	Til Company	There are a transfer and the control of the contr	
	102.2	Observation	
	Marie de la companya		
	10.2.1		
E-2-2-4	10.2.1	Demonstration	
May .		Tools and Equipment	
	100 mg		
		Materials	
		Instruction Sheet	
的 影响	APPENDS:		
	A Registration	The state of the s	
			•

50



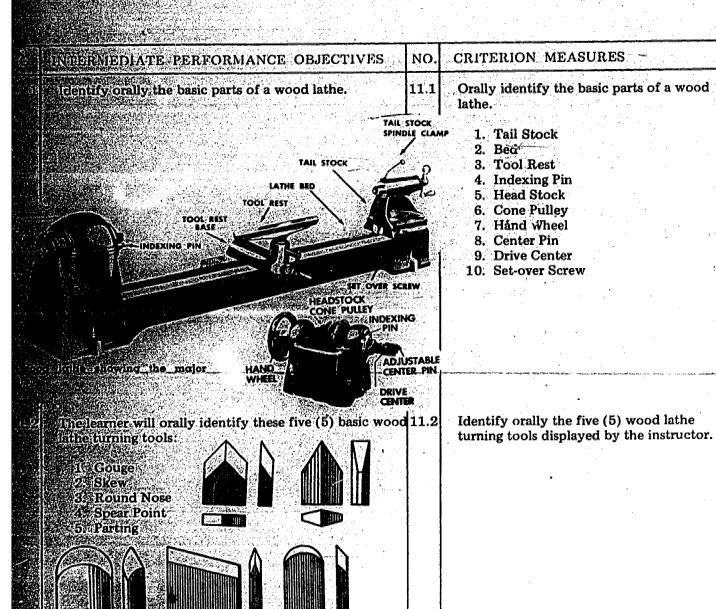
COURSE WOODWORKING

8th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. _11.0

WOOD LATHE

With 70% proficiency, the learner will recall orally the basic parts of a wood lathe, identify the basic cutting tools involved, and demonstrate his ability to safely and properly turn a cylinder, taper, concave, convex, bead and cove.



44

COURSE	WOODWORKING
	8th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. __11.0 cont'd.

WOOD LATHE

NETIMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	الله الله الله الله الله الله الله الله	
elegater will identify, in writing, the fourteen (14)	11.3	List, in writing, the fourteen (14) safet of wood lathe.	y rules	· 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日
permission before starting lathe		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	不通便
2. As itain proper belt tension				Ca A No.
3. Keep spinhole and tail stock centers clean			·	
4. Check stock for splits and nails	.			
5. Lubricate tail stock center points				
6. Be sure tail stock is locked			• .	-1
7. Never lock the pulley with the index pin		4		
8. Keep the tool slide and rest locked				
9. Never adjust tool rest when lathe is running		The sale and desire a consecutive of the sale of the speciments of the sale of		
10. Hold chisels firmly			•	
11. Remove the tool rest before sanding			in the	
12. Keep tools sharp			**	
13. Wear goggles or face shield				- 4 - 1 - 1
14. Keep the ways clean				
	-			٠
			•	
		•		•

COURSE WOODWORKING

8th Grade
TEBMINAL PERFORMANCE
OBJECTIANE NO. 11.0 cont'd. WOOD LATE

WOOD LATHE

(119:MadilAue Pereormance Objectives	NO.	CRITERION MEASURES
te earner will identify; orally, five (5) hand tools en for measuring wood stock on the wood lathe.	11.4	Identify, orally, the five (5) measuring tools shown you by your instructor.
Tools needed for measuring.		1. Bench rule
		2. Dividers
		3: Outside caliper
PULC		4. Inside calipers
		5. Hermaphrodite calipers
DIVIDERS		호텔 기계 및 경기 등 시간 기계 등록 시간 경기 등 경기 등 기계 등 기계 등 기계 등 기계 등 기계 등 기계 등
OUTSIDE CALIPER		
INSIDE CALIPER		
HERMAPHRODITE		
CALIPEN		

COURSE WOODW

TING

TIERMINAE ** PERFORMANCE *** OBJECTIVE == NO :=== 12L0 == cont'd.

WOOD LATHE

TERMS DIATE PERFORMANCE OBJECTIVES

NO. CRITERION MEASURES

Unaleaner will prepare stock for turning on the lathe for 11.5 in the lather selected finished project and lock the track in the lathe.



Here a line is being drawn across the corners to locate the center of the stock.

Prepare the stock to be turned by locating the centers and setting the spur and locking the stock in the lathe.

One method of setting a spur or live center is to drive it into the wood with a mailet.



54

Print with the Control of the Contro

COURSE	WOC	DWOR	KING	1	11.52.53

TERMINAL PERFORMANCE

8th Grade

WOOD LATHE

RMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
earner will properly turn a selected or assigned ct using the proper tools for common cuts and wing the basic rules of safe operation.	11.6	Select the proper tools and safely turn and sand the project.	
STATE OF THE STATE			
			٠,
] [
Company of the Compan] [
	<u> </u>		
		•	
e de la companya de	ļ. ļ		
		• •	
5 5			
90			
The Control of the Co			

Terminal Performance Objective 11.()

	i.P.	M/M	
	No.	No.	Method / Media Selection
	11.1	11.1.1	Lecture
			Demonstration
			Equipment
			Film
			Text
			Observation
Ġ.			
	₹11.2	11.2.1	Demonstration
			Tools
			Observation
	11.3	11.3.1	Lecture
			Demonstration
		•	Handout Sheet
が大学			Film
1			Examination Sheet
	.11.4	11.4.1	Lecture
			Demonstration
			Tools and Materials
を変え			Observation
	11.5	11.5.1	Lecture
			Demonstration
追關。	Principal Control		56
			49

Terminal Performance Objective . 11.0 cont'd.

			
I. P No.		Method / Media Selection	
11.5	11.5.1	Tools and Equipment	
		Materials	and the second
11.6	11.6.1	Lastura	
11.0	11.6.1	1	
	•	Demonstration	
		Tools and Equipment	
		Film	
		Text	
	·	Materials	
			1
	ļ	· 45	
	,		
(i) (ii)	. 1		
	1		
	-	·	
		57	
Magazini.			50

WOODS IA

ACCREDITATION NO. 5873A

LENGTH OF COURSE: 1 SEMESTER

GRADE LEVEL: 9th

PROGRAM PATH: CAREER EDUCATION, PRE-TECHNICAL, PRE-COLLEGE

PREREQUISITE(S): 7th OR 8th GRADE WOODS

COURSE DESCRIPTION:

A course designed to review, reinforce, and advance knowledge of previously learned woods experiences. It incorporates an introduction to machine woodworking.

WOODS IA 9th GRADE

- 1.0 Orientation
- 2.0 Safety
- 3.0 Occupations
 - 4.0 Kinds and Uses of Woods
- 5.0 Hand Tools
- 6.0 Wood Joints
- 7.0 Fastening and Assembly
 - 8.0 Finishes and Finishing
- 9.0 Planning
- 10.0 Design
- 11.0 Scroll Saw
- 12.0 Drill Press
- 13.0 Planer
- 14.0 Jointer
- 15.0 Circular Saw
 - 16.0 Portable Sanders



and the second of the second o	and the second s	
COURSE	WOODS IA	
* ** * * * * * * * * * * * * * * * * * *		- : TOTAL
	9th Grade	

ľŀ	R	MI	IN	۸L	- P	ERFO	RMAN	CF
					VE	NO.	1.0	_

ORIENTATION

The learner will demonstrate through practical application and written examination, his ability to understand the responsibilities expected of him in the woods laboratory and the areas in which he will be evaluated. A proficiency of 80% is expected of the learner.

ΝÖ.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will define in writing the responsibilities expected of him in woodworking.	1.1	List, in writing, the six (6) areas of responsibility that will be followed in the woods laboratory.
	1. Punctuality 2. Citizenship 3. Safety 4. Attitude 5. Behavior	·	
	6. Good Housekeeping		·
11.2 3.5 21.7	The learner will orally demonstrate his ability to arrive at a period grade, using the following evaluation criteria and the assigned percentages.	1.2	On the examination sheet issued by your instructor, add the percentages assigned to the areas of evaluation listed.
	1. Projects 40% 2. Tests 20% 3. Notebook 20% 4. Daily Performance and Attitude 20%		
		,	
	der Sagt Angelen in der eine State der eine Sagt der e Berken der eine Sagt der e Berken der eine Sagt der eine Sa		
	60		53

Terminal Performance Objectives - 1.0

I, P. M/№			
No. No.	Metho	d / Media Selection	
1.1 1.1.1	Lecture		
	Chalkboard		
	Examination Sheet		
1.2 1.2.1	Lecture		
ANA SANA SANA SANA SANA SANA SANA SANA	Chalkboard "		
	Character	en e	
		·	i
And the second s			
	·		
nest and a second secon			
		·	
		61	
		O I	
	Management of the state of the		<i>3</i> ,

COURSE WOODS IA

9th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 2.0

SAFETY (GENERAL)

The learner will demonstrate, by practice and examination, his ability to understand proper safety procedures in the woods laboratory, with a proficiency of 100%.

Ö.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will identify in writing the proper general safety procedures used in the woodworking laboratory from a list provided by the instructor.	2.1	Identify, in writing, the twenty (20) general safety procedures that will be followed while working in the woodworking laboratory.
	1. Report immediately to your work station		
	2. Respect the rights of others in your class		
	3. Accept your share of responsibility		
	4. Report damaged or missing tools to your instruc	tor	
	5. Follow instructions		
	6. Be courteous to classmates		
	7. Obtain permission prior to using tools, machines, materials	, or	
	8. Report all accidents, no matter how slight		
	9. Know and follow proper fire rules and regulation	ıs	
	10. Wear eye protection when using machines		Name
ini Geografia Notae	11. Keep tools sharp and in good working order		
	12. No horseplay in the laboratory		,
	13. Dress properly - no loose clothing		
	14. Remove all jewelry		
	15. Select proper size and type of tool for the job		
	16. Keep your work area clean and in order		
	62	2	

COURSE	WOODS 9	lA h Grade	
--------	---------	---------------	--

TERMINAL PERFORMANCE OBJECTIVE NO. 2.0 cont'd.

SAFETY (GENERAL)

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
17. Lift heavy objects with your leg muscles to avoid back and stomach injuries		• • • • • • • • • • • • • • • • • • •
18. Store and stack materials carefully		·
19. Keep hands clean and free of oil or grease		;
20. Check portable electric tools for bad cords, plugs, or switches		
The learner, given a list of general safety procedures, will demonstrate, by daily actions, his ability to follow	2.2	You will demonstrate, by daily actions, ability to follow the general safety procedures.
these procedures.		
		'
		•
	1	
		-

Terminal Performance Objectives - 2.0

	EP.	M/M		_
	No.	No.	Method / Media Selection	_
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.1	2:1.1	Lecture	
			Demonstration	
			Examination Sheet	
1	29	2.2.1	Lecture	
			Observation	
			Obstivation	
學是		77.		
		Laboration Laboration (Laboration Laboration		
			•	
17.		•		
	ente Produ			
	erikan Merentakan Marikan			
	A.			
		ah li		
	igentina Werker Lindon	Tin.		
4				
			A Company of the Comp	
1000	Maria :	· · · · [The state of the s	
	5 12.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		64	
	ng pagkaran ing di dalam Pagkaran ing di dalam Pagkaran ing di dalam Pagkaran ing di dalam			
) D Meanir 1940	57	٠.

				1 .		
COURSE	WOOT	AT DE				
COOKSE	WOOL	<u> </u>			 	
		9th C	rade			

TERMINAL PERFORMANCE OBJECTIVE NO. 3.0

OCCUPATIONS

The learner will demonstrate in writing, with a proficiency of 80%, his ability to comprehend various occupational opportunities available in the wood or related wood industry.

MO.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
\\ 9.1	The learner will identify, in writing, four (4) skilled occupations of the wood industry.	3.1	List four (4) skilled occupations of the wood industry.
	 Cabinet maker Millman Finish Carpenter Wood pattern maker 		- iz. 5
A CONTRACTOR			
3.2	The learner will write a research paper, of two-hundred (200) words, on the advantages and disadvantages of one of the skilled occupations in the wood industry.	3.2	From your listing of skilled occupations in the wood industry, use textbooks or other media material available to write a two-
			hundred (200) word paper on one of these occupations and include the advantages and disadvantages of the occupation.
			·
	# 19 (19)		
	65		
			58

Terminal Performance Objectives - 3.0

f	2 (%) V 2 (*)			
	I. P.	M/M		S 4:
1	No.	No.	Method / Media Selection	
	in and the second of the seco			
	3.1	3.1.1	Lecture	
			Text	
			Handout Sheet	
/=' 			m-ut h-ut	
\$2 \$2	3.2	3.2.1	Text Book	
2			Media Center	
			Migdia Genter	
			Examination Sheet	
	A. Trans.			
	ter e e	}		
		ł		
	1	1		
	1		<u></u>	
		}		
	-::	İ		
			1	
		<u> </u>	ч	
		l		
	i di Paga	ĺ		
		į.		
		j		
	: :	1		
		}		
			66	
			UU	
		1		
		1		
9 . G	. or e ZyAr er in		1	

COURSE WOODS IA	CAPARAGE	9th Grade	
		11/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	

TERMINAL PERFORMANCE OBJECTIVE NO. __40

KINDS & USES OF WOODS

The learner will, with 70% proficiency, identify in writing, the eight (8) commonly used woods of the laboratory and list the working characteristics of each.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
A STATE OF THE OWN AND THE STATE OF THE STAT	NO.	CRITERION MEASURES	
The learner, in writing, will identify samples of eight (8) commonly used woods in the woodworking alaboratory.	4.1	Properly identify in writing the common names of the wood samples displayed by the instructor.	
1. Walnut 2. Mahogany 3. Poplar 4. Maple	,		
5. Oak 6. Pine 7. Cherry 8. Pecan			
The learner will identify, in writing, the working qualities of the eight (8) common used woods previously listed.	4.2	From the list of eight (8) commonly used woods, identify, in writing, the working qualities of each as to hard or soft.	
The learner will on paper, give a description of the manufacturing process of plywood. The learner will demonstrate in writing, his ability to name four (4) by-products of the wood industry.	4.4	Using your text or other media material, write a two-hundred-fifty (250) word description of the manufacturing process of plywood. Using your text or other media material, write a short paragraph on four (4) wood by-products.	
1. Paper 2. Alcohol 3. Cellulose 4. Wall Board		a short paragraph on roar (+) wood by products.	
	37	60	The state of the s

Terminal Performance Objectives - 4.0

101				
		: 125 : 125 : 125		
	I, P.	M/M	The state of the s	
4.0	No.	No	Method / Media Selection	
操	4.1	41.1	Demonstration	
	A CONTRACTOR			
		Mark Areas	Wood Samples	
	松 沙。	et e e Light e e	Examination Sheet	
131				
		401	Examination Sheet	
	4.2	4.2.1	Examination Street	
			Demonstration	
		i i	Demonstration	
50			Lecture	
7				
			1#	
	4.3	4.3.1	Text	
			Examination Sheet	
71.7				
	4.4	4.4.1	Text	
	12.74	4.4.1	1670	
		·	Media Materials	
	inti No at			
	11-0104		Examination Sheet	
	海(水)			
i dia Part	fyri Turk			
97 ()	Alak Majara			
	Marian Salah Marian Salah Marian Salah			
	\$1.50 \$1.50			
V _{alid} a (/4.4. ·			
eneri. P				
in in Calif	* * *			
			6 8	
terre Secre	1964 1964 1974			
				_

COURSE	WOODS IA
COOKSE _	9th Grade
TERMINAL PERFORMANCE OBJECTIVE NO. <u>5.0</u>	HANDTOOLS

The learner will demonstrate his ability to identify the proper name, safe use, and care of the common handtools used in the woodworking laboratory with a proficiency of 80%.

NTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	:
		•	4.5
The learner will identify, in writing, the correct name of thirty-five (35) handtools used in woodworking.	5.1	Correctly identify, in writing, the proper name of the tools as displayed by the instructor.	
1. hand crosscut saw			
2. hand rip saw	l		
3. back saw	1		
4. dovetail saw	1	'	
5. keyhole saw		,	
6. compass saw 7. coping saw		•	4
8. miter saw	1 1		
9. wood mallet	ŀ		*
10. claw hammer	i i		
11. sliding "T" bevel	j j		
12. screwdriver (standard tip)	1 1	Section 2	
13. block plane	1 1		
14. smooth plane	1 1		
		The second secon	. ಈ ವಾರತೆಯ
16. framing square	1		
17. wood chisel	ł !		
18. wood rasp	l 1		
19. cabinet file	1 1	÷	
20. hand drill	i	•	
21. brace 22. twist drill		·	
23. auger bit	1 1	•	
23. auger oft 24. spoke shave	1 1		
25. draw knife	1 1	t.	
26. cabinet scraper	1 1	'	
27. doweling jig	1		
28. plug cutter	1 [
29. screwdriver bit	1.		
30. countersink bit			
31. bench rule	e		
32. marking gauge			
33. file card			
34. scratch awl	ļ,	to the second se	
35. nail set		•	
Consideration of the Considera			
	1	Þ	
建新版的 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	69 H		

To the		Sept. V	;	Section 1997		*	- 大小社会學情觀
							. 1 (0.85E) 1 (1.85) 1 (1.85)
						7 2	
				• •	% ?		7 - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18
	COMPA	wo	ODS	S IA			
	COURSE _	WO		9th Grade			
	TERMINAL PERFORMANCE	134					en e
	OBJECTIVE NO. <u>5.0</u> cont'd.	•		HAND	COOLS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
							1
		e in . Terran			· · · · · · · · · · · · · · · · · · ·		
							100
	INTERMEDIATE PERFORMANCE OBJECTIVES	i iv in Ngjarja	NO.	CRITERION	MEASURES	1 44	
5	The learner; through performance, will demonstrate by	ie i	5.2	े सीर्वेद के प्रदेश के जिल्लाक स्थापन वेद्र कर्यों कार्यकृष्ट्र सुन्दर्भ कर कि	i en Paris que Paris. La expansión especialmentes de la comercia especialmente de la comercia de la comercia especialmentes de la comercia especialmentes de la comercia especialmentes de la comercia especialmente de la comercia de la comercia especialmente de la comercia del comercia de la comercia del comercia de la comercia del comercia de la comercia del comercia de la comercia de la comercia del		The second secon
	The learner; through performance, will demonstrate be ability to safely use and care for the handtools nec-		J.2	your ability to	to the instructo o safely use and	or, by p I care fo	erformance,
	essary in the construction of a project.			tools.		- 0	
			14.27.47				
		s,		1	1		
			* * .		$(\mathbf{v}_{i}) = (\mathbf{v}_{i}, \mathbf{v}_{i}) \in \mathbb{R}^{n}$		
							1, - 22
	The state of the s			lik kanangan	-		27 9 1 1995 1 - 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Ž.		- 1.		* *			
		1	- [,			
變			- 1	•			i esta
4	The state of the s		.ii	NY ANGELO I DE COMMONGO CON	en lankskonsky (makklikola – gdoskyk gomeom p	o mande e entre septembre	
			- 1	•			15 (15
			.				
		- 1	,				- To 1865 - To 1865 - To 1865
*	Taggerig Sagrandig Sagrandig						
Ž.		-	- 1			4	11.00 11.00 11.00
	Aceta					•	
		,	}				
		- [- [
		1					ी हो। एक हो है जिस एक ने एक है
		-					19 19 19 18 18 18 18 18 18 18 18 18 18 18 18 18
		I		•			2 () () () () () () () () () (
	######################################	1			•		- 75 - 1- - 2-
7. 2	建成线数模型的线度 使强烈的 (1917年) 1.1						. 110

Terminal Performance Objectives

- 5.0

		함께 함께 한다는 것이 되었다. 함께 발표한 전문에 되었다. 그런 그는	•
	ng grand Hair kaya 15 Karangan	Programme Conference (Conference Conference	
			
E.P. No.		Method / Media Selection	
	5.1.1	A MARION OF THE TOTAL TO THE TANK OF THE T	
E Post Di	5.1.1	R Balance with the control of the co	i
		Demonstration	•
	1 Apr. 10.	Text	:
	7	Tool Examples	
5.2	5.2.1	Lecture	· ·
		Demonstration	
		Observation	4
	1.00		
Section 1	in and Line of the		
		The second of th	
	ida. Walio da		
	Tagair <u>al la contratación</u>	A CONTRACTOR OF THE CONTRACTOR	
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		,
K 770			
Pin Land			
estergrent warre.	er merene jako	71	٠.
			64

TERMINAL PERFORMANCE OBJECTIVE NO 6.0		9th Grade WOOD- JOINTS
SUPERMEDIATE: PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Compictures supplied by the instructor write the proper name for each joint.	6.1	Match the proper name to the illustrated joint: 1. Butt 2. Dado 3. Dowell 4. Rabbet 5. Miter 6. Dovetail 7. Blind Dado 8. Mortise and Tension 9. Lap 1 0. Edge
72	c e e e	

COURSE WOODS IA 9th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. 6.0 cont'd.

WOOD JOINTS

NO: INTERMEDIATE PER	FORMANCE OBJECTIVES	NO.	CRITERION MEASURES	•
			THE PARTY OF THE P	,
				7
	eeding ten (10) joints, the for eight (8) of them. uct a project incorporating two seeding ten (10) given wood	6.2	From the given list, write a use for any eight (8) wood joints. Construct a project using two (2) or more	
(2) or more of the pred joints.	reeding ten (10) given wood 7%	3	wood joints.	36

		•	
	-		
	COURSE	WOODS IA	
		9th Grade	
TERMINAL PERFORMA	ANCE		
OBJECTIVE NO6	.0 cont'd.	WOOD JOINTS	
		± '	

NO:	INTERMEDIATE PERFORMANCE	OBJECTIVES	NO.	CRITERION MEASURES		1 4 4
			6.3			
		# * * * ria		nua.		
		- 12 - 12 <u>3 -</u> 1	S Section 1	And the second s	,	-
				<i>:</i>		
						- - ५०० व्यक्ति व्यक्ति
						r
		ganera es				5. ÷
						,
		- 1				14
		74				67

Terminal Performance Objectives - 6.()

and actions	ALTERNATION	
ij.P.	и/м	(2) 전 (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
No.	No	Method / Media . election
6.1	6:1:1	Illustration Sheet
	744	Text
		발표되는 사용 등 보고 있다.
6.2	6.2.1	Text
	#107 K	추진하다 그 사람들이 얼마 아니는 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은
		Demonstration
		Examination Sheet · ·
		사용하는 경기를 보고 있다. 1. 한 사용
6.3	6.3.1	Assignment
10.00	Transfer Tr	
MEN.		Planning Sheet
		Tools & Materials
Victoria de la compansión de la compansi		
And the second		
Nation 1	711	
e Carenza. Harrista		
	military angle (Pageston)	
		· · · · · · · · · · · · · · · · · · ·
	Y and	
y i di i		
	,	
	-	
and and the second of the seco	n in a	75
		68

ERIC

Full Text Provided by ERIC

COURSE WOODS IA 9th Grade

TERMINAL PERFORMANCE SOBJECTIVE NO. 7.0

FASTENING & ASSEMBLY

With a proficiency of 80%, the learner will identify in writing or orally, different fastening bardware, adhesive, and clamping devises used in the woodworking laboratory.

NUERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will identify, orally, the three (3) commor head shapes of wood screws.	7.1 1.000 1.	Orally identify the head shapes of the three (3) wood screws displayed by the instructor.
1. Flathead		
2. Roundhead		Woval Hoad
3. Oval head		Round Head
The learner will identify, orally, six (6) standard types of nails.	7.2	Orally identify the six (6) standard nail types displayed by the instructor.
1. Common	1.	
2. Box	,	
3. Casing		and the second second for the section of the section of the second section of the section of the section of the second section of the section
4. Finishing		
5. Brad		· · · · · · · · · · · · · · · · · · ·
6. Roofing		
76		69

COURSE	WOODS IA
	9th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. _7.0_ cont'd.

FASTENING AND ASSEMBLY

2 160

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEAS	SURES	
The learner will identify, by written examination, four (4) common types of wood glues.	7.3	Match the number a two (2) and three (3		mns
1. Polyvinyl Resin 2. Contact 3. Plastic Resin 4. Resorcinol Resin		Polyvinyl Resin	Mix powder and water	A. Plastic Lamin ing.
		Contact	2. Mix two components	B. Moist Resista
And the second s		Plastic Resin	3. Ready to use	C. Water proof
		Resorcinol	4. Flammable	D. Sets rapidly Dries
	.1	e in night of the opening professor associated as the confidence of	on these minimages is a most of a given of	clear
The learner will orally identify the following six (6) types of wood clamping devises as illustrated on a handout sheet. 1. Bar clamp 2. Wood handscrew 3. "C" clamp 4. Pipe clamp 5. Webbing clamp 6. Miter clamp	7.4	Orally identify the confollowing six (6) type devises as shown on the state of the	es of wood clampin	g []
			1010010 (
77			A	70

COURSE	WOODS IA
	9th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. __7.0 cont'c

OBJECTIVE NO	CRITERION MEASURES
Parameter and the second secon	
Parties of the second s	
PACAGO STATE OF STATE	
PACAGO STATE OF STATE	
PARTIES AND	
PARTIES AND	
PACAGO STATE OF STATE	
PACAGO STATE OF STATE	
PACAGO STATE OF STATE	
7.4	NE STATE OF THE PARTY OF THE PA
	Marine.
	Approved:
	Mary Control of the C
	A THE STATE OF THE
Section 1 and 1 an	
[整整]。 (1) 1 · · · · · · · · · · · · · · · · · ·	
	The state of the s
met my magnetigenne man samste mis år i de livis i som samste mis år i de livis i som samste mis år i de livis	the partition of the state of t
78	the parties of the same of the

MET
Terminal Performance Objectives - 7.0

	Specific Factors (1997) Take State		· · · · · · · · · · · · · · · · · · ·	
EP MAM		Method / Media Selection		<u></u>
		يى ھىلەر.		
7.1.1	Lecture			-
	Text			
	Chalkboard			
	Screw Samples			
72 7.2.1	Lecture	i.		
		· ·		
A Company of the Comp	Text			5.42
	Chalkboard	•		
	Nails Samples			•
And the second s	· · · · · · · · · · · · · · · · · · ·			
7.8 7.3.1	Lecture			
200 200 200	Demonstration	ς,		
in the second	Text		*	. •*
	Examination Sheet			ė
	FARITHIRAGION SHEEt	Acceptance of the second second	CONTROL OF THE MAN TO SERVE WITH THE SERVE OF THE SERVE O	- National Control of the Control of
7.4 7.4.1	Demonstration			
1991 1991 1991	Sample Clamp	:		
	Text			
	Examination handout Sh	eet		
	. '		la . 	
			, ,	
128.1.2771	. ,			
		79		
		1 0		
State of the state	Des .			
-1 2 4 2 5 6 7 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7			•	-0

The second second	. The state of th	
COURSE	WOODS IA	
COCIOD		_
The second second	9th Grade	

TERMINAL PERFORMANCE OBJECTIVE NO. 8.0

the learner will orally or in writing state five (5) major steps in the state of th

With 1995 to the learner will orally or in writing state five (5) major steps in finished. The William materials and their solvents, identify three (3) common types to the state of the st			
	1.00		
	T 1		
NTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
The learner will orally state five (5) major steps in finishing a woodwork project.	8.1	Orally state and define, in order, five (5) major steps in finishing a wood project.	
1. Sand - smooth surface 2. Stain - adding color 3. Seal - prevent color bleeding 4. Fill - closing the grain			
5. Finish - project and beautify		· · · · · · · · · · · · · · · · · · ·	
The learner will, in writing, identify the three (3) most common types of abrasive materials and their origin:	8.2	Identify, in writing, the three (3) most comm abrasive materials used on woods and tell their origin. (Natural or manufactured).	
1. Flint (natural) 2. Garnet (natural) 3. Aluminum (manufactured)			
The learner will orally identify four (4) finishing materials and the correct solvent for each.	8.3	Orally identify four (4) finishing materials and their proper solvent.	
Varnish - turpentine Lacquer - lacquer thinner Shellac - denatured alcohol			
4. Penetrating - mineral spirits			
The learner will apply a selected finish to wood and demonstrate his ability to clean and care for the tools and materials involved.	8.4	Apply the proper desired finish to your wood and demonstrate by performance, your ability to clean and store the tools and materials involved.	
••••			
er Bertrauf (1994) in der Steine			
80		7	

MET Terminal Performance Objectives - 8.0

一种,我们就是一个人的,我们就是一个人的,我们就是一个人的,他们就是一个人的,他们就是一个人的,他们就是一个人的,他们就是一个人的,他们就是一个人的,他们就是

									:		• •
Ŧ			Property of the second						- i i i i i	<u></u>	
	LP.	М/М									4 •
	No	No.	ing its or an		Method / Med	lia Selectio	on		-		
	8 1	8.1:1	le la colo	Text							
			200	Lecture		,				-	,
				Demonstration		-				,	
				Example							
	8.2	8.2.1		Demonstration							
				Samples			. 1				.**
		i verit verit Verit verit Mark Program									
	8.8	8.3.1		Lecture				*			
				Samples							• •
		er en								•	-
	8.4	8.4.1	· ·	Demonstration			•				. ,
				Tools & Materials	•					•	
78 780 0		Astronomics Table 1 Table 1		Observation			=				
			72.07 TO THE PERSON NAMED IN COLUMN 1	and the state of t	, 2 · 1 · 2	•			-	n i i e mari	ree all est
											ų.
		·	-				,	x.			•
		No. 2									
				. •				•	4.	,	
		**************************************					ī			٩	
									•		
				eray						4	ų
			-, -			0.1					
	****	name san	·			81					ne
		S. A. S.									74

	•
G0117077	WOODS IA
COURSE	
~~~~~	9th Grade
	our Grade

# TERMINAL PERFORMANCE OBJECTIVE NO. <u>9.0</u>

PLANNING	
PLANNULY.	

The learner will, with 80% proficiency, interpret and follow the correct procedures for completing a project plan sheet. This sheet will include bill of materials, plan of procedures, and tools and machines required.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
From a sketch or drawing, the learner will compute the number of board feet necessary to construct his project using the following formula:	9.1	With a sketch or drawing of your project, compute the number of board feet needed to construct your project.
Bra No. Pes. x T x W x L 1 x 12 x 12		6.00 6.00 2.60
The learner will complete the bill of materials section of the plan sheet. (See sttachasent.)	9.2	On the plan sheet, complete the section on bill of materials including number of pieces, sizes, board feet, and cost.
The learner will complete the plan of procedure section of the plan sheet.	9.3	On the plan of procedure section of the plan sheet, complete in chronological order the steps necessary to construct your project.
The learner will complete the tools and machines section of the plan sheet.	9.4	List, in order of the plan of procedure, the tools and machines necessary to construct your project.
82		
		75.\

#### PROJECT PLAN SHEET

	dect	Course & F				
Date Compl	eted	Estimated time	Hr	S		
Actual time	required	Actual time Estimated time -		- % ettic	iency	
ource of th	ie idea & drawing –					
		BILL OF MATERIALS				
No. Of Pieces	Part Name	All Specification Tx W x L Material	Cubic Inches	Boord Feet		Tota Cost
					·-·-	
					<del></del>	<b></b> -
	. 1					
		,				
	~ <del>~~~~</del>	:	-			
	<del></del>		<del> </del>			
	. ·					
			<del> </del>			
	<del></del>					
			<u> </u>	Total	Cost	
2 3 4						
5						
6	· :					
7 8			<del></del>			
9	:					
0			·	·· ·· · · · · · · · · · · · · · · · ·		<del></del>
1						
	:					
3 4						
3 4 5						
3 4 5 6						
3 4 5 6 7						
3 4 5 6 7 8						
3 4 5 6 7 8 8 9						
2 3 4 5 6 7 8 9						
3. 4. 5. 6. 7. 8. 9.						
3 4 5 7 8 9		and attach to this plan sheet				
3. 4 5. 6 7. 8 9. 0 1ake a detai	I working drawing a	and attach to this plan sheet			,	
3 2 5 7 8 9	I working drawing a	and attach to this plan sheet				

ERIC Pruli Text Provided by ERIC

#### **Terminal Performance Objectives** - 9.0

	mes som et al.	1.77	
	L.P.	M/M	
	No	No.	Method / Media Selection
	9,1	9.1.1	Lecture
			Selected or Assigned project drawing
	9.2	9.2.1	Lecture
			Planning Sheet
A		A STA	Cloud Charat
	3. 37. \		Cost Sneet
	· 9:8	9.3.1	Plan of Procedure Sheet
	Marian dal	J.U.I	
11.			Text
			Demonstration
解			
	9.4	9.4.1	Text
1,211,211		,	Plan of Procedure Sheet
	Jacob III Valorovi		Demonstration
			Denomeration
	19 (19 (19 (19 (19 (19 (19 (19 (19 (19 (	,	
7			
		i i d	
3			
		4	
	ing (Salah Makeu		
			84
	ngina an Malaka		
			eta de la composition de la compositio L'Augustion de la composition de la co
1	20.4		NAME OF THE PROPERTY OF THE PR

COURSE	WOODS IA 9th Grade
	> 9th Grade

# TERMINAL PERFORMANCE OBJECTIVE NO. 10.0

DESIGN
--------

The learner will demonstrate, by practice and examination, his ability to understand and follow proper design procedures in woods, with a proficiency of 75%.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will state and define, orally, four (4) fundamentals of good design in woodworking.	10.1	Correctly state and define (orally) four (4) fundamentals of design in woodworking.
1 Function - what will it be used for? Function determines form.		
2 Appearance - it must be pleasant to the user.		
3. Materials - the proper type of wood for use and style.		
4. Construction - logical construction for function, durability, and economy.		
The learner will orally state and define five (5) common principles of design.	10.2	Orally state and define five (5) common principles of design.
1 Proportion - ratio of one part to another. Example Golden mean rectangle (2-3, 3-5, 5-8).	:	. •
2. Balance - two form; formal (symmetrical) and informal (asymmetrical).		
3 Rythm - repetition of shape, color, line, or design details.		
4 Harmony or Unity - the way different parts go to-		
5. Emphasis - focusing on a point of attraction or special interest.		
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.6	You will, as observed by the instructor, prove your ability to follow approved design procedures in the woodwork laboratory.
85		78

# Terminal Performance Objectives - 10.0

L.P.	M/M		Mathad	l / Media Selection	n		
No.	No.		мешос	/ Wedin Selection	<u></u>		<del></del>
10.1	10.1.1	Text					
		Media Center					
		Demonstration					
		Lecture					
10.2	10.2.1	Text	• •				
		Media Center					
		Lecture	**. \$r				
			· **				
10.3	10.3.1	Lecture					
		Text					
		<b>Observation</b>					
	: - :						
		•					
engan jarah Megangingingin Megangingin							
				i			
		T					
	e filsk film For ingless Sensol of	The second secon					
		inger Ngama		~ 86			
Main in							79

COURSE	WOODS IA
	, 9th Grade

#### TERMINAL PERFORMANCE OBJECTIVE NO. _11.0_

SCROLL SAW

The learner, with 80% proficiency, will demonstrate in writing or orally, his ability to name parts of the scroll saw and prove through observation and performance, proper and safe operation of the saw.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Given a diagram, the learner will, in writing, identify ten (10) diagram of the scroll saw.	11.1	Identify, in writing, ten (10) parts of the scroll saw from the diagram given you by the instructor.
1. overarm 2. motor 3. table 4. belt guard	63 - Me Thirkory	
5. hold down 6. guide post 7. base	-	B H
8. chuck 9. tension sleeve 10. table insert		
		e de la constant de l
	·	
		8 A T
The learner will identify, in writing, the proper safety riles of the scroll saw from a list provided by the instructor:	11.2	Identify, in writing, the ten (10) safety rules to follow when operating a scroll saw.
In Remove rings and other jewelry  2 Hold down spring should be on top of the stock  3. Weer eye protection at all times	,	
4. Stand clear when turning on saw 5. Only operator starts and stops machine		
		87

CC	OURSE WOODS IA 9th Grade	
TERMINAL PERFORMANCE		
OBJECTIVE NO11.0_ (	cont'd.	

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
6. Hand holding stock should be to the sides of the blade. 7. Turn off machine to remove small scraps of wood. 8. Machine should never be left running when not in use. 9. Only operator should be inside safety zone. 110. Obtain instructor's permission prior to operating saw.  The learner, given a list of scroll saw safety procedures, will demonstrate, by observation and practice, his ability to follow these rules correctly.	11.3	You will, as observed by the instructor, prove your ability to follow the scroll saw safety procedures.
	— a — (, , , , , , , , , , , , , , , , , ,	88

#### Terminal Performance Objectives - 11.0

(1) · · · · · · · · · · · · · · · · · · ·	L P.	M/M No	Method / Media Selection
が大学を	11.1	11.1.1	Demonstration
的根据			Text
	And		Diagram handout sheet
	11.2	11.2.1	Text
(**)   			<b>Demonstration</b>
100			Handout sheet
	1.3	11.3.1	Handout sheet (Safety rules)
	H <del>ar</del> Guis Guis Guis Guis		Text
<b>建</b> 的分分 1			
は			eAn and the second of the sec
			89
<b>经验的</b>			in the second of

COURSE	WOODS IA 9th Grade

#### TERMINAL PERFORMANCE OBJECTIVE NO. 120

DRILL PRESS

The learner will, with 80% proficiency, demonstrate in writing or orally, his ability to name the parts of the drill press and further prove through observation and performance, proper and safe operation of the drill press.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Given a diagram, the learner will identify, in writing, ten (10) parts of the drill press.	12.1	Identify, in writing, ten (10) parts of the drill press on the diagram given you by the instructor.
1. base 2. column 3. table 4. chuck 5. quill 6. depth stop 7. motor 8. feed handle 9. switch 10. belt guard		instructor.  B  C  B  A
	O	

COURSE	WOODS IA
	9th Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. 12.0 cont'd.

DRILL PRESS

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES		
In writing, list the six (6) basic safety rules of operating a drill press.		Using the bit issued and stock supplied by the instructor, properly drill the hole utilizing all safety rules.		
1. Keep drill bits sharp     2. Wear eye protection     3. Clamp work securely	* · ·	acevy rates.		
4. Do not remove chips with your hands 5. Select the proper feed 6. Use steady pressure on the feed, Do not force the tool.				
iorce die tool.		· · · · · · · · · · · · · · · · · · ·		
cedures, will demonstrate by observation and	12.3	You will, as observed by the instructor, prove your ability to follow the drill press safety pro-		
practice, his ability to follow these procedures.		cedures.		
	,	· · · · · · · · · · · · · · · · · · ·		

#### Terminal Performance Objectives - 12.0

	LP.	M/M	
	No	No.	Method / Media Selection
		17.0	
经股份	12.1	12.1.1	Text
1,000			Lecture
		4	Demonstration
Š			
熱性	Marie de la companya		Diagram handout sheet
學			
	12.2	12.2.1	Text
			Handout Sheet
2			
	12.8	12.3.1	Handout sheet- safety procedures
學			
		**	
	ing and a second		
1		🖵	·
×	e e julius e A publicado A publicado Como de e		
	A. A		
	di din		
	Alleria Betar		
7	機(権) (本) (本) (本) (本)		
	order Colored Colored		Magazine et al. (1997). A service de la companya d Magazine et al. (1997). A service de la companya d
	型 計算 計算 計算 計算 計算 計算 計算 計算 計算 計算		92
			Total Control
		romerko Pedrakera	<b>85</b>
()			

**ERIC** 

COURSE WOODS IA
Sth Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 13.0

PLANER

The learner will, with 80% proficiency, demonstrate in writing and orally, his ability to name the basic parts of the planer and prove through performance the proper and safe operation of the planer.

No.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
NO.	Million Martine Communication (Communication Communication	NO.	
			A O
	93		86

COURSE	WOODS			
	•	9th	Grade	
CE				

TERMINAL PERFORMANCE OBJECTIVE NO. 13.0 cont'd.

PLANER

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will identify, in writing, the safety rules for the paoper operation of the planer from a list supplied by the instructor.	13.2	Identify, in writing, the fifteen (15) safety rules to be observed while operating the planer.
<ol> <li>Eye protection must be worn.</li> <li>Procurs instructor's permission to use machine.</li> <li>Keep table top clean and free of chips.</li> <li>Keep fingers away from underside of board as it is fed into the planer.</li> <li>Don't look into the planer as board passes through.</li> <li>Never plane warped or twisted stock.</li> <li>Never surface too short a board (under 12 inches)</li> <li>Never plane thin stock.</li> <li>Do not make cuts too deep.</li> <li>Only one person is allowed to operate machine at one time.</li> <li>Never leave machine while it is running.</li> <li>Always scrape glue off joints before surfacing.</li> <li>Never stand directly behind board as it is surfaced.</li> <li>Remove all rings and other jewelry.</li> <li>Dress properly, no loose or baggy clothing.</li> </ol>		
list p! planer safety procedures,	13.3	You will, as observed by the instructor, prove your ability to follow the planer
Manufacture his ability to follow these rules.		safety procedures.
these rules.		safety procedures.

#### Terminal Performance Objectives - 13.0

	I, P. No.	·M/M No.		Method /	Media Sele	ection			
		131.		1100 1100 1					
ilia Maria	13,1	. 13.1.1	Diagram handout she	et		,			
			Lecture						
e de la companya de l			Text						
	13.2	13.2.1	Lecture						
			Safety handout sheet						
								1	
	13.8	13.3.1	Lecture						
isia Kana			Observation						
	Tests of the second of the sec								
						•			
	ins Laghanas Mari	,							
					•				
			•						
							•		
			•				•		
Andrews									
	are a series				95				
			e.		00				
						:			
				1 4 4 4/4					 
	Nid.	rational and the second	gdr - c	ī				ě	88

COURSE	WOODS IA	
	9th Grade	
ICE		

TERMINAL PERFORMANCE OBJECTIVE NO. <u>14.0</u>

JOINTER

The learner will demonstrate, with 80% proficiency, in writing or orally, his ability to name the parts of the jointer and prove through observation and performance, the proper and safe operation of the jointer.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Given a diagram, the learner will, in writing, identify eight (8) parts of the jointer.  1. rear table handwheel 2. rear table 3. fence 4. knife guard 5. fence control handle 6. front table 7. front table handwheel 8. switch	14.1	In writing, identify eight (8) parts of the jointer on the diagram given to you by the instructor.

two	COURSE	<u>, w</u>	OODS IA 9th Grade	<del></del>
 MINAL PERFORM BJECTIVE NO.	MANCE 14.0 cont'd.	***** San.	JOINTER	

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
The learner will identify, in writing, the safety rules for the proper operation and care of the jointer from a list supplied by the instructor.	14.2	Identify, in writing, the fifteen (15) safety rules to be observed when operating the jointer.	
<ol> <li>Always keep guard over cutter head.</li> <li>Always work with grain of wood.</li> <li>Eye protection must be worn.</li> <li>Stand to the left of jointer, not behind it.</li> <li>Do not attempt too heavy a cut ( not more than 1/8 inch).</li> <li>Don't let fingers extend over the ends of boards.</li> <li>All stock should be free of knots and splits.</li> <li>Do not use jointer if knives are dull.</li> <li>Remove all rings and jewelry.</li> <li>Dress properly, no loose clothing.</li> <li>Keep hands away from the cutting area.</li> <li>Fence must be secure.</li> <li>Use push stick on thin stock.</li> <li>Adjust machine only with the power offf</li> <li>Only operator is allowed inside safety zone.</li> </ol>			
The learner, given a list of jointer safety procedures, will demonstrate by observation and practice, his ability to follow these rules correctly.	14.3	You will, as observed by the instructor, prove your ability to follow the jointer safety procedures.	
		97	

Terminal Performance Objectives - 14.0

A STATE OF THE PARTY OF THE PAR	LF.	M/M No.	Method / Media Selection	
	14.1	14.1.1	Diagram handout	
			Demonstration	
			Text	
	14.2	14.2.1	Text	
1.50	3.		Lecture	
			Examination Sheet	
	14.	14.3.1	Safety handout sheet	
			Lecture	
				- <del>100 -</del> 12
				4
	· · · · · · · · · · · · · · · · · · ·	<b>*****</b>		
			the second of th	
			98	
			30	
				9,

ERIC

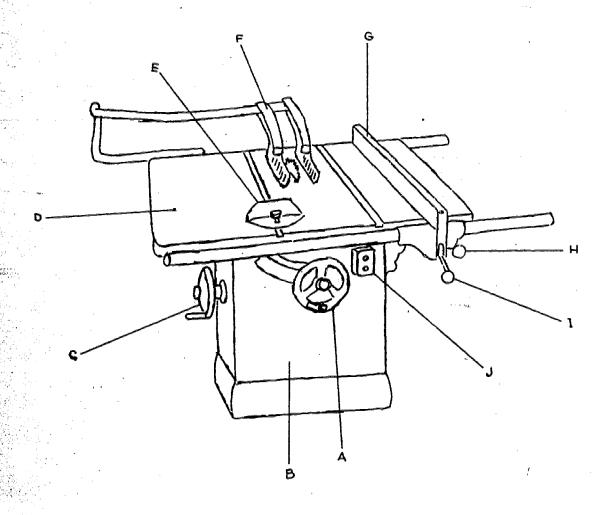
COURSE	woo	DDS IA 9th Grade
--------	-----	---------------------

#### TERMINAL PERFORMANCE OBJECTIVE NO. 15.0

CIRCULAR SAW

The learner will demonstrate, with 80% proficiency, in writing or orally, his ability to name the parts of the circular saw and prove through observation and performance the proper and safe operation of the saw.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
Construction of the contract o			1
The learner will, in writing, identify ten (10) parts of the circular saw.	15.1	In writing, identify ten (10) parts of the circular saw on the diagram given you by the instructor. (See next page).	
1. elevating handwheels 2. tilting handwheel 3. initer gauge 4. table			
5. blade guard 6. fence 7. fence set knob 8. fence clamp handle			
9. switch II O. bese		<b></b>	
The learner will identify, in writing, the safety rules for the proper operation and care of the circular saw from a list supplied by the instructor.	15.2	Identify, in writing, the fifteen (15) safety rules that will be followed while operating the circular saw.	entre garinge generalise
1) Eye protection or ust be worn. 2 Guard must be over blade. 3 Saw blade it raised 1/8 to 1/4 above stock and	1	,	. Vi
no more. 4. Use push stick when ripping narrow pieces. 5. Keep fingers clear of blade. 6. Do not cut cylindrical stock. 7. Never use fence and miter gauge together.			•
8. Be sure blade is sharp.  9. Never stand directly behind the blade.  10. Never leave saw until it has come to a complete sto	p		
12. Dress properly 13. Remove rings and other jewelry. 14. Only operator should be inside safety zone. 15. Always obtain permission before using saw.			
99			- d
	1.		92



COURSE	SE WOODS IA 9th Grade	
TERMINAL PERFORMANCE OBJECTIVE NO. 15.0 cont'd.	'd. CIRCULAR SAW	

A	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
O.	INTERMEDIATE PERFORMANCE			
	three (3) types of	15.3	Orally identify three (8) common types	
5.8	Ti. learner will identify, orally, three (3) types of circular say blades and will demonstrate through per-	}	of saw blades and demonstrate their use through performance.	
	Marmance, has knowledge of their use.		Cirodigi periormanos	
		1	·	
		1		
				-
		I		
		1		
		1		
		1	; th	
		1		
		1		
		1		
		į	<i>*</i>	
er.	The learner, given a list of circular saw safety procedure	_{5,} 15.4	You will, as observed by the instructor, prove your ability to follow the circular	1
15.4	and planting by observation and planting	7	saw safety procedures.	
	to follow these rules.	l	gs with the members of	
				÷
		1	1.2	
		1.	1 7	
MOTOR W		1		
<b>16</b> -		1		
Ė		1		-
		1		
		ì		
	101	- 1		
			1 '	ē .
				94
WAY:		ł		

#### Terminal Performance Objectives - 15.0

L.P.	м/м	Made at / Madie Colontino	:
No.	No.	Method / Media Selection	
15.1	15.1.1	Diagram handout	
		Lecture	
	-	Text	
15.2	15.2.1	1 Text	
		Lecture	
	,	Examination Sheet	
15.2	15.3.1	Text	
	10.0.1	Lecture	
		Blade Samples	
		Equipment	
		Stock	
15.4	15.4.1	Safety handout sheet	
		Lecture	وسور
		. : ;	
the state of the s	1		
The second secon			া ব্যৱস্থার ব
			•
1			
		102	
La Principal de la Constantina del Constantina de la Constantina d			95

ERIC

COURSE	WOODS IA
	9th Grade

#### TERMINAL PERFORMANCE OBJECTIVE NO. 16.0

ļa .						
	POR	TA	BLE	SAN	DER	į

The learner will demonstrate, with 8% proficiency, in writing or orally, his ability to recognize four (4) classifications of mertable sanders and prove through observation and performance, the proper and safe operation of the sanders.

O. INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
The learner will, orally, identify the four (4) classifications of portable sanders.		Identify orally, four (4) classifications of portable sanders.	
1. Orbit or Reciprocating Pad 2. Belt 3. Disc 4. Drum		• • • • • • • • • • • • • • • • • • •	
The learner will identify, in writing, the safety procedures for the proper operation and care of portable sanders.	16.2	Identify, in writing, the ten (10) safety rules that will be observed when using	
1. Always secure permission before using sanders. 2. Dress properly, no loose clothing. 3. Remove all rings and other jewelry. 4. Eye protection must be worn. 5. Keep both hands on the handles. 6. Be sure the cord is grounded. 7. Keep the electric cord free so it won't get caught in the sander.		portable sanders.	
8. Always lift the sander before you start sanding. 9. Do not exert extra pressure on the machine. 10. When finished, do not put sander down until it comes to a complete stop.			
The learner, given a list of portable sander safety procedures; will demonstrate by observation and practice, his ability to follow these rules.	16.3	You will, as observed by the instructor, prove your ability to follow the portable sander safety procedures.	
103			



#### Terminal Performance Objectives - 16.0

L.P.	M/M No		Method / Media Selection		
1.61 1.62 (1.14) 1.17 (1.14)	1011	Tot		÷.	•
10.1	16.1.1	Text			
		Demonstration			
		Tool Samples			
	i, are				
16.2	16.2,1	Text			
		Demonstration			
		Examination Sheet			
		Examination Sheet	•		
16	16.3.1	Safety handout sheet			
: 10.4	10.5.1	:			
		Text			
		Tools and equipment			•
		``. 			
n Marya			. 1		
		·		•	
				i .	
		i			
	,				
				ि । सं प् रेक्	
	1 1		104		
		•	104		
					t

#### WOODS IB

#### ACCREDITATION NO. 5873 B

LENGTH OF COURSE: 1 SEMESTER

GRADE LEVEL: 9th

PROGRAM PATH: CAREER EDUCATION, PRE-TECHNICAL, PRE-COLLEGE

PREREQUISITE: WOODS IA

#### COURSE DESCRIPTION:

Basic machine woodworking designed for those students who wish to take an additional semester course in woodworking. A review of machines and tools with more depth in design and construction and a criteria for making a vocational choice.

#### WOODS IB

- 1.0 Orientation
- 2.0 Safety
- 3.0 Occupations
- 4.0 Kinds and Uses of Woods
- 5.0 Hand Tools
- 6.0 Wood Joints
- 7.0 Fastening and Assembly
- 8.0 Finishes and Finishing
- 9.0 Planning
- 10.0 Design
- 11.0 Scroll Saw
- 12.0 Drill Press
- 18.0 Wood Lathe
- 14.0 Planer
- 15.0 Jointer
- 16.0 Circular Saw
- 17.0 Bandsaw
- 18.0 Portable Sanders
- 19.0 Router
- 20.0 Grinder



	COURSE	WOODS IB
		9th Grade
TERMINAL PERFORMAN	<b>ICE</b>	,
OBJECTIVE NO. $1.0$	<u> </u>	<u>ORIENTATION</u>

The learner will demonstrate, by practice and examination, his ability to understand the responsibilities expected of him in the woods laboratory and the areas in which he will be evaluated. A proficiency of 80% is expected of the learner.

INTERMEDIATE PERFORMANCE OBJECTIVES		CRITERION MEASURES '		
The learner will define, in writing, the laboratory responsibilities expected of him in woodworking.	1.1	List, in writing, the six (6) areas of responsibility that will be followed when working in the woods laboratory.		
1. Punctuality 2. Citisenship 3. Safety 4. Attitude				
5. Behavior 6. Good Housekeeping				
The learner will demonstrate, orally, his ability to comprehend the areas that he will be evaluated in and the percentages assigned to each.	1.2	Orally demonstrate to the instructor your ability to understand the areas in which you will be graded.		
1. <b>Projects</b> 40%				
2 Tests				
3. Notebook				
4. Paily Performance and Attitude 20%				
		107		
GANGUAGUA JANUA		100		

1.0

#### Terminal Performance Objective

<b>计算机</b>	L.P.	M/M		
	I.P.	No	Method / Media Selection	
	1.1	1.1.1	Lecture	
			Chalkboard	
V.,			· ·	
	1.2	1.2.1	Lecture	
			Chalkboard	
	anger tr			
はなり				
<b>公司的</b>		1.00		
1	0.4 0.4 1.			
10.27		e de la companya de l		
調味			en e	
10.3				
を記れる		14학급병 3 학 286 - 170 - 176 - 1		\$ =
李泽东				
1000				
8.74 m		ing and the second seco		
のではない。				
	in the second	et o station Transfer Transfer		
4				,
7			$oldsymbol{108}$	
in the second				- 04

# COURSE WOODS IB 9th Grade

#### TERMINAL PERFORMANCE OBJECTIVE NO. 2.0

SAFETY (GENERAL)

The learner will demonstrate, by practice and examination, his ability to understand proper safety procedures in the woods laboratory, with a proficiency of 100%.

NUTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	e na traver a gener
The learner will identify in writing the proper general afety procedures used in the woodworking laboratory rom a list provided by the instructor.	2.1	Identify, in writing, the twenty. (20) general safety procedures that will be followed while working in the woodwellaboratory.	orking
11. Report immediately to your work station	raja to		
2. Respect the rights of others in your class			• 4
3. Accept your share of responsibility			
4. Report damaged or missing tools to your instructor			-1
5'. Follow instructions		•	
6. Be courteous to classmates			
7. Obtain permission prior to using tools, machines, or materials			
8. Report all accidents, no matter how slight		• •	
9. Know and follow proper fire rules and regulations			
10. Wear eye protection when using machines			
11. Keep tools sharp and in good working order		,	•
12. No horseplay in the laboratory			
13. Dress properly - no loose clothing	=		
14: Remove all jewelry			
			ı
15. Select proper size and type of tool for the job			
16 Keep your work area clean and in order	1 .		
			102

COURSE	WOODS	IB
	• 9th	Grade
CE		

TERMINAL PERFORMANCE
OBJECTIVE NO. _2.0_ cont'd.

SAFETY (GENERAL)

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
17: Lift heavy objects with your leg muscles to avoid		
18. Store and stack materials carefully		
219. Keep hands clean and free of oil or grease	4 m / 5	
20. Check portable electric tools for bad cords, plugs, o	r	
AND DESCRIPTION OF THE STATE OF	3	er en
The learner, given a list of general safety procedures, will demonstrate, by daily actions, his ability to follow these procedures.	2.2	You will demonstrate, by daily actions, your ability to follow the general safety procedures.
		**
	:	
		gi A
		e e e e e e e e e e e e e e e e e e e
	1 1	
	1 1	•
		•
	1 1	
110	1 1	
		· · · · · · · · · · · · · · · · · · ·
		103

			DIA ANALYSIS				
		•	pr H		and the state of t		
ninal Perfo	mance Objective	2.0	ī		.,		
	Personal American Communication Communicatio	wante de meri		w.			
			f				<del></del>
	And the second s		pars.	to 1.			
N AVA		Method	l / Media Selectio	<u>n</u>			
	Lecture		1.			ē .	. <del>!</del>
	Handout Sheet			i	r		,
			•				· .
2 221		And the state of t			i ⊈i filo i National di Salamania. National di Salamania	<b>e</b> f	
	File Control of the C		× .	1	· .		
				,			
		• •			i.		
2001 AV 2001 AV 2001		4	as epicoria de la				
	r er komposito de la composito dela composito de la composito de la composito de la composito		Total Mark Total				
ATCAL STATE	alla taria. Albaria de la compania de la compan Albaria de la compania de la compa	•	gr _e d . ¶ 9 . Tope max	*			•
		The contract of the contract o			e e		
					•		
	T THE COLUMN			, I		<u></u>	3
						£ .	•
504							
		. <del></del>	*	•	•		•
	· · · · · · · · · · · · · · · · · · ·						
					·		
	- 1		ч		<u>.</u>		
	<del>pilingto</del> nga satu Mga Sanga						
		<del>.</del>					_
			_				
Carlo Maria Para Laca	iliya Sinaka wasan wasan sana sana sana sana sana s		111				
			,				
							104



COURSE	WOODS IB		
	9th Grade	·	

TERMINAL PERFORMANCE OBJECTIVE NO. 3.0

OCCUPATIONS

The learner will demonstrate in writing, with a proficiency of 80%, his ability to comprehend various occupational opportunities available in the wood or related woods industry.

USEMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
ne learner will identify, in writing, four (4) skilled cupations of the wood industry.	3.1	List four (4) skilled occupations of the wood industry.
1: Cabinet maker 2: Millman 8: Rimsh Carpenter 4: Wood: pattern maker		
e seamer will write a research paper, of two-hundred 00) words; on the advantages and disadvantages of a fithe skilled occupations in the wood industry.	3.2	From your listing of skilled occupations in the wood industry, use textbooks or other media material available to write a two-
		hundred (200) word paper on one of these occupations and include the advantages and disadvantages of the occupation.
		112

METHOD / MEDIA ANALYSIS

Terminal Performance Objective 3.0

2. 2. 3.			Method	/ Media Se	lection				·
8.1	8.1.1	Lecture			*		· ·		•
		Film				•		-	
						~			
8.2	-3.2.1	Lecture			· · · · · · · · · · · · · · · · · · ·				
	(報) では(M) 現力(グ ) (1)	Film		•	3				
			-						
			••						
	AND THE PARTY OF T	A CONTRACTOR OF THE SECOND SEC							<b>8</b>
		Activity of the second of the							7
								*	
								•	
				• '	•				
		2 f					ı		
<b>S</b> ERVELL Suffreen	salak eta l etan		. •						•
			•					,	* %
		· · · · · · · · · · · · · · · · · · ·							
									e
	Adams (		·				•		-
	Count of								
		The second of th		٧,					
				·					
W.	Park y							•	
			•	113					
<b>W</b> AN	NIAPUSTO.								106

COUNCE	WOODS IB	•	
COURSE	MOODS IS		
	9th Grade		
ARTAIN A MICH	ani Gisda		

## TERMINAL PERFORMANCE OBJECTIVE NO. 4.0

KINDS & USES OF WOODS

The learner will, with 80% proficiency, in writing or orally, identify commonly used woods and demonstrate his knowledge of the different characteristics of each.

NULEMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner, in writing, will identify samples of eight (8) commonly used woods in the woodworking aboratory.	4.1	Properly identifying, in writing, the common names of the wood samples displayed by the instructor.
1: Wainut 2: Manogany 3: Poplar 4: Maple 5: Cak		
6. Pine 7. Cherry 8. Pecan		
Pheliumer will identify, in writing, the working chilines of the eight (8) common used woods previously listed.	4.2	From the list of eight (8) commonly used woods, identify, in writing, the working qualities of each as to hard or soft.
The Issurier will on paper, give a description of the manufacturing process of plywood.	4.3	Using your text or other media material, write a two-hundred-fifty (250) word description of the manufacturing process of plywood.
The learner will demonstrate in writing, his ability to name four (4) by-products of the wood industry.	4.4	Using your text or other media material, write a short paragraph on four (4) wood by-products.
2 (Alcohol 8. Cellulose		
4 Wall Board		
114		
		107

Terminal Performance Objective

1.0

T.P.	М/М		
NO.		Method / Media Selection	• :
211	4.1.1	Lecture	
	<b>4.1.1</b>	<b>報告の表現では、 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199</b>	
		West Control of the C	
		Samples	
			11 8 622.0
4.2	4.2.1	Lecture	i. j
	47.	통 (Angle Angle Control of the Cont	
		- (表現 - 1)	
4.8	4.3.1	Lecture	
	Control of the second	Text	
		Film .	
general version	and the second		
4.4	4.4.1	Lecture	7
		Text	
9. >		Film	
		en a village de la companya de la co	÷
nerijete. Beniroo			
	Jean-Rosel		
		See .	
	Karalista Karalis Karalista	and the state of t	
		And the second of the second o	
			, 1
		115	
	14 may 1		
		To the control of the	
<b>国際教育</b>	可能性別的	APT file (Angle) The Committee Com	

											С	ου	RSE	3		. v. s	W	201	OS	IB				·	-	
V.		Å,							15.2 12.7				alter int			-		· ;. ·	9th	Gr	ade		1. 17. 1	1	•	
E	-966		260	200	140				RN	A	<b>VCI</b>				fy.									$_{\tilde{B}_{1}}\cdot,\ [\dot{\cdot}],$		ı
'n	ì	ž,	E	OΠ	Tν	E	N	O.	5 qu.,	5.0	)				5 9.	3				H.F	<b>YNT</b>	TOO	LS	101		

The learner will demonstrate his ability to identify the proper name, safe use, and care of the common handtools used in the woodworking laboratory with a proficiency of 80%.

CHERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The server will identify, in writing, the correct name of thirty-five (35) handtools used in woodworking.	<b>5.1</b>	Correctly identify, in writing, the proper name of the tools as displayed by the instructor.
1: hand crosscut saw 2 band rip saw 3. back saw		
4. dovetail saw 5. keyhole saw		
6: compas saw 7: coping saw 8: mitersaw		
9 wood mallet 10 claw hammer 11 sliding 'T' bevel		
22 screwdriver (standard tip) 22 28, block plane		
44 smooth plane 5: try square 44 16, framing square		
17. wood chisel 19. wood rasp 19. cabinst file	en formeten e	
20 Shand drill 21 brace 122 tiwist drill	-	
23. suger bit 24. spoke shave		
25 draw knife 26 cabinet scraper 27 doweling jig		
28 plug custer 29 screwdriver bit 30 countersink bit		
// 81: bench rule // 32: marking gauge   38: file card	,	
34 scratch awl 35 nail set		
116		

TERMINAL PERFOR	MANCE		HANDTO		,
The state of the s	<del></del>	<del>્ર 9</del> ા	h Grade		
	COURSE	woo	DS IB		
		£			
		e j	ę.	•	

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner, through performance, will demonstrate his ability to safely use and care for the handtools necessary in the construction of a project.	5.2	Demonstrate to the instructor, by performance your ability to safely use and care for hand-tools.
		*
		aqv.
	j	
60 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)		service to Affect account of the control of MMM of control of MMM of the control
		·
	Ī	
ALCO TO THE STATE OF THE STATE	}	e e e
		1
Markana Cara		
		Mario Language
		_pc_
		:
A CONTROL OF THE CONT		
		·
THE SECTION OF THE SE		
		•
1 1 7		•
117		· ·
		· • • • • • • • • • • • • • • • • • • •

Perninal Performance Objective 5.0

		Market Market (1985) and the second of the s	4,	
	NV NV	Method / Media Selection		
				N ₂
数	<b>5.1.1</b>	Text		
		Tools		
	5.2.1	Lecture	and the second	
- Name of				
100	m of the	機能 (TEN) And The Control of the Co		i. Histori <del>ng</del> kabbagangan
I	7月50年2月。 18日1年			
			. *	
		國際的主義 사용하는 경기 회사 기계	:	
I				
I	是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是	MANATA DE CARACTERÍA DE CA LA CARACTERÍA DE CARACTERÍA		*.
ı		[編纂] (경기· ) : : : : : : : : : : : : : : : : : :		
				11 11/18
	Water			.12
I				e.e.
		Confedences (Confedences)	e de	
		Control of the contro		
			-	1.
100				
Chicago princip				
1	Filtra			
14				
	the second second			-
		118		•
1				

TERMINAE PERFORMANCE  OBJECTIVE NO 6.0  With a proficiency of 80%, the learner will use and construct a project incorporating to	9th Grade		
IN ESCHEDIVITÉ PERFORMANCE OBJECTIVES	l no.	CRITERION MEASURES	
From this and pictures supplied by the instructor, the	6.1	Match the proper name to the illustrated joint.	
		1. Butt 2. Dado 3. Dowell	
		4. Rabbet 5: Miter 6. Dovetail 7. Blind Dado	
		8. Mortise and Tension 9. Lap 10. Edge	
119			

		And Miles The Best Best State of the Control of the		
	A Commission of the Commission	COURSE _	WOODS IB	en in de la
	VAT (PER FORMA		WOODS IB 9th Grade	
Öİ,	AL PERFORMA CHAVE NO 23	0 cont'd.	WOO	DIONAS
	Andrewski karania († 1905) Taliana projekti ili sastania Karania († 1905) Karania († 1905)			

3 (4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
			parte
			Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro
		1. Zum	
in literality (i.e.)	preceeding ten (10) joints, the	6.2	From the given list, write a use for any
	use for eight (8) of them.		eight (8) wood joints.
ie ir states will co	onstruct a project incorporating two precesding ten (10) given wood joints.	6.3	Construct a project using two (2) or more
))O.mocso.(4)	preceding ten (10) given wood joints.		wood joints.
			[발발 : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg : 10 kg
			120

		COURSE	WOODS I	<b>B</b>
			eth c	rade
	ERFORMAN E NO: <u>6.0</u>			WOOD JOINTS
	utrinewan (* 1 <del>1 aug.)</del> Angelogia Mangelogia			
	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			

NUMBER OF THE PROPERTY OF THE OBJECTIVES	NO.	CRITERION MEASURES
	6.3	
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
And the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o		
		(40) (10) (10) (10) (10) (10) (10) (10) (1
	Stary Special	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
Herster Charles (Care Constitution of the Cons		
		소문의원에 함께 그리고 이 소문량
		Arrant Market Commence (1997)

Terminal Performance Objective 6.0

AMERICA STOPA	M/M	######################################	
	No	Method / Media Selection	,
8.1	6.1.1	Lecture	** ***
<b>31</b>			ı
		Handout Sheet	
		Film	2 mm. t. 5
		(報告の) (1) A (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
6.2	6.2.1	Lecture	
<b>5.</b> 7.7.	Tunion.	Handout Sheet	**
		- 結構等 156.000 	· · · · · · · · · · · · · · · · · · ·
<b>-:6:8</b>	-6.3.1	Tools	er en en en en en en en en en en en en en
		Materials	ا در این از کارید و به این از این از این از این از این از این از این از این از این از این از این از این از این این از این ا این از این ا
		Demonstration	
		L'EMVIISMENTI	
			÷
		사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
			ы. ·
Andrew I		(BACCO CANA) Bankanan dan	
	Filled our manifest		
		And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
	Kalbara Kalbara		
		(대통령) : 1	,
		·····································	
			,
Allender		natur (n. 1864). Ostronomia (n. 1864).	
		[4] 경우	

FRIC

COURSE	WOODS	IB
	9th	Grade

#### TERMINAL PERFORMANCE OBJECTIVE NO. 7.0

FASTENING AND ASSEMBLY

With a proficiency of 80%, the learner will identify in writing or orally, different fastening hardware, adhesive, and clamping devises used in the woodworking laboratory.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will identify, orally, the three (3) common head shapes of wood screws.	7.1	Orally identify the correct name of the following wood screws.
1. Fisthesd 2. Roundhead 3. Oval head		
The learner will identify, orally, six (6) standard types of nails.	7.2	Orally identify the six (6) standard types of nails on the diagram sheet handed you by the instructor.
2. Box 3. Casing 4. Finishing 5. Brad 6. Roofing	,	
		• •
		t e e e e e e e e e e e e e e e e e e e
123		11

COURSE	WOODS	IB
	- 9th	Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. _7.0 _ cont'd.

FASTENING AND ASSEMBLY

	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEAS	SURES		(2) 1, 25, 2,274
	The learner will identify, by written examination, four (4) common types of wood glues.	7.3	Match the number a two (2) and three (3		ımn	
	1. Polyvinyl Resin 2. Contact 3. Piestic Resin 4. Resorcinol Resin	· EELY	Polyvinyl Resin	1. Mix powder and water	<b>A.</b>	Plastic Laminat ing.
			Contact	2. Mix two components		Moistur Resistar
			Plastic Resin	3. Ready to us	e C.	Water- proof
五次 化加加型			Resorcinol	4. Flammable	D.	Sets rapidly Dries clear
	The learner will orally identify the following six (6) types of wood clamping devises as illustrated on a handout alsest.  1. Bar clamp 2. Wood handscrew	7.4	Orally identify the c following six (6) typ devises as shown on	es of wood clamping	ng	
	2. wood nanoscrew 3. "C" clamp 4. Pipe clamp 5. Webbing clamp 6. Miter clamp		<i>ઑ</i> . À		,	الله الله الله الله الله الله الله الله
			•			
<b>医</b>	124				,	117

COURSE	WOODS IB 9th Grade
	sin Grade

TERMINAL PERFORMANCE
OBJECTIVE NO. _7.0 _ cont'd.

FASTENING AND ASSEMBLY

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	7.4	
		· Emergency (I + O
		, es 6
		· ••,
		,
開発を終えてきた。 Managara Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Managara Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian Alian		
	1	
		·
		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
	,	
	1	
		•
		125
		118

Terminal Performance Objective

7.0

	LP.	M/A	Method / Media Selection				
TEST ST	7.1	No 7.1.1					
			Text				
	7.2	7.2.1	Wood Screw Samples Handout Sheet		•		
			Lectures		î		
			Samples				
	7.3	7.3.1	Text				
			Examination Sheet				
			Lecture				
	7.4	7.4.1	Lecture				
			Tool Samples			,	
			Handout Sheet				
				ž.			
			e we				
							2 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
						•	क र १,६
			and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o				
			126				14.
	Market 1	100			•	119	)

COURSE	wa	ODS IB	
			•
	-	9th Grade	

#### TERMINAL PERFORMANCE OBJECTIVE NO. 8.0

and their origin, and apply a suitable fini	nniv three	ive (5) major steps in finishing, identify (3) common types of abrasive materials od project.
	· ·	
NEERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will orally state five (5) major steps in	8.1	Orally state and define, in order, five (5) major steps in finishing a wood project.
in thing a woodwork project.		
1 Sand - smooth surface 2 Stain - adding color		
3. Seal - prevent color bleeding A Fill - closing the grain		
5 Finish - project and beautify		
	st 8.2	Identify, in writing, the three (3) most comm
The learner will, in writing, identify the three (3) mo common types of abrasive materials and their origin.		abrasive materials used on woods and tell their origin. (Natural or manufactured).
1: Flint (natural)		their origin. (Natural or mandiactured).
2: Garnet (natural) 3: ALuminum (manufactured)		
The learner will orally identify four (4) finishing	8.3	Orally identify four (4) finishing materials
materials and the correct solvent for each.		and their proper solvent.
Varnish turpentine		
2-1 acquer - lacquer thinner 3. Shellac - denatured alcohol		
4 Penetrating-mineral spirits		
The server will apply a selected finish to wood and	8.4	Apply the proper desired finish to your wood
demonstrate his ability to clean and care for the 100 and materials involved.		and demonstrate by performance, your abilit- to clean and store the tools and materials involved.
	100	
	j	ì

8.0

## Terminal Performance Objective

LP.	M/M No	Method / Media Selection	
	8.1.1	Lecture	
81 8	O.L.I		
er grand and a		Demonstration	•
		Tool	
		Materials	
8.2	8.2.1	Lecture	
		Text	
		Film	
	State Control 2 Control 3 Control 3 Control 3	Samples	
.8.8	8.3.1	Lecture	
		Text	
8.4	8.4.1	Tools	
		Materials	
		Demonstration	
	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	Recentains with the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Com	
		128	
de Greek gesteren. Greek gesteren gesteren. Greek gester gesteren gesteren.			
Meni I	影響的 医生 機能 学校的	in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	

COURS	E WOODS 9th	IB Grade
TERMINAL PERFORMANCE OBJECTIVE NO. 9.0	.a-	PLANNING

The learner will, with 80% proficiency, interpret and follow the correct procedures for completing a project plan sheet. This sheet will include bill of materials, plan of procedures, and tools and machines required.

ENO.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES				
	From a sketch or drawing, the learner will compute a number of board feet necessary to construct his project using the following formula:	9.1	With a sketch or drawing of your project, compute the number of board feet needed to construct your project.				
	BF= No. Pcs. x T x W x L 1 x 12 x 12	,					
9.2	The learner will complete the bill of materials section of the plan sheet. (See attachment).	9.2	On the plan sheet, complete the section on bill of materials including number of pieces, sizes, board feet, and cost.				
9.8	The learner will complete the plan of procedure section of the plan sheet.	9.3	On the plan of procedure section of the plan sheet, complete in chronological order the steps necessary to construct				
94	The learner will complete the tools and machines section of the plan theet.	9.4	your project.  List, in order of the plan of procedure, the tools and machines necessary to construct your project.				
			e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la				
	129		122				

Terminal Performance Objective

9.0

LP.	M/M No.	Method / Media Selection		
9.1	9.1.1	Lecture		
		Chalkboard		
		Text		
9.2	9.2.1	Lecture		
		Handout Sheet		ŧ
		••		
9.8	9.3.1	Lecture	ж. х.	
		Handout Sheet		
9.4	9.4.1	Lecture		ř
		Handout Sheet		
	Artis			,
	Agrico production of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of			
	, promise			
Š				
	ing Palagere Jan			•
	en orbitalsone belagan bes			
				1
	11, 28			
		130		
ingrænisk h Friedrich Friedrich		130		
a distillation of the				

COURSE	WOODS IB 9th Grade
TERMINAL PERFORMANCE OBJECTIVE NO. 10.0	DESIGN

The learner will demonstrate, by practice and examination, his ability to understand and follow proper design procedures in woods, with a proficiency of 75%.

0.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
影			•
'n	The learner will state and define, orally, four (4) fundamentals of good design in woodworking.	10.1	Correctly state and define (orally) four (4) fundamentals of design in wood-
	1. Function - what will it be used for? Function determines form.		working.
	2. Appearance - it must be pleasant to the user.		
	3. Materials - the proper type of wood for use and style.		
	4. Construction - logical construction for function, durability, and economy.	,	
.2.	The learner will orally state and define five (5) elements of good design.	10.2	Correctly state and define, orally, five (5) elements of good design.
	1. Line - straight, curved, S-shaped, and circular.		
	2. Shape - square, round, rectangular, and triangular.		
	4. Solid shape or mass - three (3) dimensional shape or combination of shapes.		
	5. Tone and Texture - add to surface design.		Congression of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco
1			
		10.3	
<u>;</u> }	Planting Street As Application of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of th		a ³
	131		
		,	12

(a) The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon			
	COURSE	WOODS IB 9th Grade	
	ERMINAL PERFORMANCE OBJECTIVE NO. 10.0 cont'd.	DESIGN	
Age and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the seco			
		•	
			•
	AME DEDEODMANCE OD ISCRIVES	NO CRITERION MEASURES	·

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
The learner will orally state and define five (5) common principles of design.	10.3	Orally state and define five (5) common principles of design.
1. Proportion - ratio of one part to another. Example: Gold mean rectangle (2-3, 3-5, 5-8)		
2. Balance - two form; formal (symmetrical) and in formal (asymmetrical).	1-	
3. Rythm - repetition of shape, color, line, or designment details.	m	·
4. Harmony or Unity - the way different parts go together.		
5. Emphasis - focusing on a point of attraction or special interest.		
Property History	} }	
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.4	Follow proper design procedures by designing or redesigning a project approved by the instructor.
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a	10.4	designing or redesigning a project approved
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.4	designing or redesigning a project approved
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.4	designing or redesigning a project approved
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.4	designing or redesigning a project approved
The learner, through performance, will demonstrate his ability to incorporate proper design procedures into a wood project.	10.4	designing or redesigning a project approved

## Terminal Performance Objectives 10.0

EP.	· M/M No	Method / Media Selection	
10.1	10.1.1	Lecture	
		Text	
		Handout sheet	
10.2	10.2.1	Film	٠.
		Text	
		Lecture	
Mariana Mariana Mariana			
		Handout sheet	
		Lecture	
10.8	10.3.1		
7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Text	
10.4	10.4.1	Text	
		Materials	
		Demonstration	
egal ( a e e e e e e e e e e e e			
944	aganismb (V)	4	
		133	
	3 A		
	. 24% av 1544 ** . 154 ** 54 ** 55 ** 5	· Markey (All Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	126

COURSE	WOODS IB
	9th Grade
TERMINAL PERFORMANCE OBJECTIVE NO. 14.6	SCROLL SAW

The learner, with 80% proficiency, will demonstrate in writing or orally, his ability to name parts of the scroll saw and prove through observation and performance, proper and safe operation of the saw.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
Given a diagram, the learner will, in writing, identify ten (10) parts of the scroll saw.	11.1	Identify, in writing, ten (10) parts of the scroll saw from the diagram given you by the instructor.
1. overarm 2. motor		
3. table		
4. belt guard 5. hold down		
6 guide post		
77 base		
ension sleeve	1 .	
Ti Table insert		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	11.2	Identify, in writing, the ten (10) safety
The learner will identify, in writing, the proper safety rule of the scroll saw from list provided by the in-	11.2	rules to follow when operating a scroll
Strictor		<b>58W.</b>
1. Remove rings and other jewelry		et
2. Hold down spring the 2d be on the top of the		
3. Wear eye probe and all times		
4. Stand clear when we are ng on saw		
5. Only opens of starts and stops machine		134
	1	

OBJECTIVE NO.	11.0 cont'd.		CROLL SAW	·
TERMINAL PERFO	RMANCE		·	
		9th Gra	de	
	COURSE	WOODS IB		
1965 - 1964 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 1964 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 1964 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965				
				*
	· ·			

TERMINAL PERFORMANCE OBJECTIVE NO. <u>11.0</u> cont'd.		SCROLL SAW	
Talkan de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya		· ·	
		•	
		Marin Jan Jan Baran	•
			, , , , , , , , , , , , , , , , , , ,
TERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
6. Hand holding stock should be to the sides of the			
hlade. 5.7. Turn off machine to remove small scraps of woo	d		
8. Machine should never be left running when not in use.			
9. Only operator should be inside safety zone. 10. Obtain instructor's permission prior to operating			-
saw.			
		•	
be learner, given a list of scroll saw safety procedures, in demonstrate, by observation and practice, his safety to follow these rules correctly.	11.3	You will, as observed by the instructo prove your ability to follow the scroll safety procedures.	r, saw
	1	•	
	1 1	•	
	1 1		
			v i

**Terminal Performance Objective.** 11.0

1	L.	M/M		
* * * * * * * * * * * * * * * * * * * *	No			Method / Media Selection
The state of	11.1	11.1.1	Handout Sheet	
			Lecture	
In for Vision			Text	
		grafia († 1765) Hafaria	Examination Sheet	·
n market	11.2	11.2.1	Handout Sheet	
4.00			<b>Demonstration</b>	
April 10 Person			Tools and Materials	
三年の からを			Examination Sheet	1
Constitution and			Handaut Chast	
A CONTRACTOR	11.3	11.3.1	Handout Sheet Observation	
San Landan		4	Obogramon	
man Carlo				
10 W/10	yan yan mangan		:	
<b>医</b> 有效的		4		
100				
Salah Salah Salah				,
ALCONOMICS OF		trides autygg yn it it te lair i Sie	· -	
A		farriar Asir		
				in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
		÷•••••••••••••••••••••••••••••••••••••		136
	in the second			•
ı	Angeria (* 1150)	t was a	5 4 5 6 c	

	ERMINAL PERFORMANCE	OODS I h Grade	DRILL PRESS
n e e e e e e e e e e e e e e e e e e e	OBJECTIVE NO: 12.0 he learner will with 80% proficiency, demonstrate parts of the drill press and further oper and safe operation of the drill press.	onstrate i prove thi	in writing or orally, his ability to
A CKLYSKEPAL	TE: PERFORMANCE: OBJECTIVES	No:	CRITERION MEASURES
	am, the learner will identify, in writing, iof the drill press.	12.1	Identify, in writing, ten (10) parts of t drill press on the diagram given you by
1 - Dase 2 Colu			instructor.
o) Calde 4 cauc 3 quil		ei din jame et	
6. dept. 7. mot	i stop		
8 feed 9 switc 10 bet	h		
	and plants and the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the species of the sp	THE CHICAGO AND	ggille. Sangangangangan ping sangangan an mengangan pengangan pengangan pengangan pengangan pengangan pengangan pengan Sangangan pengangan

37.7	an e	he les	261.9	60.400		100			la k	100	44.5	4.2	4.75	4.	er e		(Arres	412.00	P 150	7172		-			PROF.			4-16.00	1.00	6.46	1	112.	att a	200		7 1 19	ery or in
223	420	21	4.6	300	100		11.796	er television	1.1		100	3	UI	Э С	T .	1/2	14.		4.4	- 44	100	w	- 16	D	1.5	ıн	C 123	ر قال ش			to de	1.50	9		1.4 (2)		£ 50.
775	343	HS R	5.60	L(G, t)	THE THE	1	100	20.00	1.	111	4.1	. U	UI		1.0	14.	4	***	医囊形	E-7"										-		_	_	40	10.00	15.50	8793
ŒΕ	<b>30</b>	$E^{*}$	14.6				(avide	47.5		111	4000	C 15 10	21.34	17.72	37174.2			_			77.13		J. 1	- 61				400	1 6	100	100		40	4.1			1 1 1
πa:	en n	W.	A 10.		200	40.	3 62.11	and the		44.5	Milit.	1.5	his service		4457.4		3			W- 5		Alle A		9t	т.	1 - T	ดด	<b>.</b>			ethical fact			1.00		114.	1. 2
9.94)	944	44.0	112		3.7	F-1	4.1		7.0	1	12.5		6				A 11			1						-		•			. 4.	L. San		100	111		
$\alpha =$		3.33	10.00	100	200	21.24			113	F	A 47	1.1		11.5	0.71	4.5	100	67 . 1		1. 17.		1000			1.1	100	Sec. 14		1.0	3.1		13	t	. 5,35	A. * " * 1	100	J. 13.8
44	3700	姓,不	95 J	142	14.17	2 mag 12	100	1124	377,	100	4.00	7.7	1. 1. 1		3.11	-9	444	100	100	想心	77.45	1.7		4.11			13.75		25.4		23.0	14.1		61.00	1.19		
340	m.	18 Y	774	70.	T1	3.00	13.0	101			7		3.1.3	7 - ·				100		3. 16.	5 .	6715°	P.4.	1.0	57.84	O Section	18	10.00			100					S2 5 7	1 4 2 39
6. R	v.	IV	A.	1.40		ъπ.	пu	R		411	٠.	3.1.2	Most 1	2	100	₩. • •	y	100		( Beech			3		3.5	147 4	1.24			2.16	67 west 17 T	1.79	12.7	11 NOV	F. Shiptor	120	or Sale
33	4.6	7716×	A Section	1300	12 144	W	7	12.60		17 4,14	1000	19.19	1.11	× .		44.00		97			Library C	10,14,	7.1	1	11.6			TT		T	T) T	NOC		(a., 4)	Asset 1		1.1
	- 1	ST S	4	78.7%	of the street		1000	10.10	1	0.4	1.77	100	on	47.		7		475	1.1	1.	100	124.7	11		3.71	15.5	16	all.	1 4		T. E	css		di Hil	1 1 1	1277	1 6 - 10
σv				12114		16 6 7		E 1 1 2	5-11-61	44		100			1.	11.	0.5	58 F	7.5				1 20 1	N 1977		-2.7			_				15.4				

INTERNATION PARTITION MANCE OBJECTIVES	NO.	CRITERION MEASURES
The control is the proper safety in writing, the proper safety is the control of the drill press from a list is the proper safety.	12:2	Identify in writing, the ten (10) safety rules to follow when operating the drill press.
1 Small pieces of stock should be held securely. 224 se correct drill or bit for the job. 3 Be vertain the drill is locked in the chuck. 4 Aways remove chuck key immediately from the		
chic probabould be cleaned with a brush when mething this stopped: 6: No djustments will be made with machine turning		
Keep hands away from revolving parts:  6 Only the operator will start or stop the machine  1. Cye protection must be worn at all times.  60. Do not stand too close to the machine; hair or—  160se clothing can get caught in revolving parts.		
We learner: given a list of the drill press safety procedurer ill whiteness is to by observation and practice, his will, 100 follow these procedures.	12.3	You will, as observed by the instructor, prove your ability to follow the drill press safety procedures.
138		
	- 11 - 25 - 25 - 25 - 25 - 25 - 25 - 25	131

Terminal Performance Objective 12.0

inte	МИ		<del>,, , </del>
i va	22 E C 10 27 15 17 1	Method / Media Selection	
A STATE OF THE PERSON	12.1.1	AND THE RELIGIOUS AND THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECO	
		Demonstration	
		Examination Sheet	
			e i
122	12.2.1	Handout Sheet	
		Demonstration	,
	46	Tools	
		Materials	
		Examination Sheet	٠
12.8	12.3.1	Handout Sheet	
		하다. 하는 전 100mm (Parties of the Parties of the Part	
		Tools	
		Materials	·
	Market N	<b>Observation</b>	
			•
1 (S. 11)		Adaptive interpretability and a second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contra	AND TO THE THE RESIDENCE THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF T
		Michaels Burghannes Districtions	
		139	
		近 (4) (大) ** 要義人が (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	~0
		Facility for the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	132

COURSE	WOODS IB	
	9th Grade	

TERMINAL PERFORMANCE OBJECTIVE NO. <u>13.0</u>

WOOD LATHE

The state of the proper and safe operation by the wood lathe.

v(O)	INVERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	Given: a diagram; the learner will identify twelve (12) parts of the wood lathe.	13.1	Identify, in writing, twelve (12) parts of the wood lathe on the diagram given you by your instructor. (See attached sheet).
	1. headstock 2. index pin 3. tool rest base 4. tool rest 5. lathe bed 6. speed control lever 7. tail stock 8. tail stock spindle clamp 9. tail stock handwheel 10. drive center 11. drad center 12. tool rest base lever		
	The learner will identify, in writing, the proper safety rules for the operation of the wood lathe.  1. Roll up sleeves and secure all loose clothing. 2. Remove all rings and other jewelry. 3. Use correct spindle speed. 4. Be sure tools are sharp. 5. Get instructor's permission before turning on machine. 6. Eye protection must be worn. 7. Keep tool rest close to work. 8. Mount all stock securely. 9. Only operator can start or stop the machine. 10. Only operator is permitted inside yellow safety zone. 11. Hold tools firmly. 12. Remove tool rest before sanding	13.2	Identify in writing the fifteen (15) safety rules that will be followed while operating the wood lathe.
	140		133

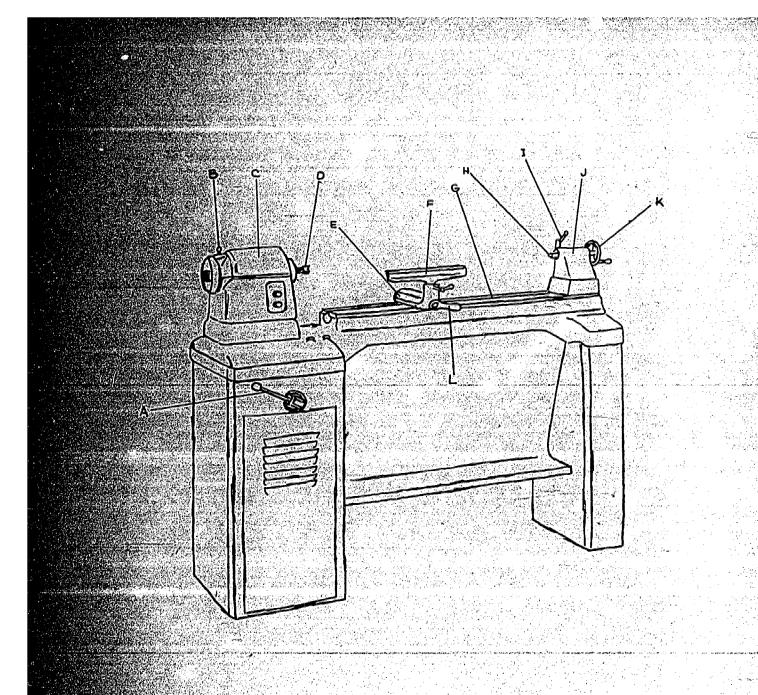


1	i fi Ta	Ÿ			. P		i,				5	ì		F. Kill			ļ		1	- "						Į.		i.	S				1							į.		7	Š	40) } .		7.	17	
	į		, !	C	C	)	U	I	ď	S	E		j		;	ं		ij,			Ÿ		V	7(	<u>)</u>							Ι				-	7	4	1		٠.	-		. 10	12			
	V								,			i.	San Asia		die.		į.			÷		4		4.			1	•	L	1	C	1	2	C	l	9		隐围	-		, vi	2				100		, i

IVERMINAL PERFORMANCE OBJECTIVE NO. <u>13.0</u> cont'd.

WOOD LATHE

NUCLEAVED AUTE PERFORMANCE OBJECTIVES	NO:	CRITERION MEASURES
18: Do not turn wood with knots or splits. 14: Make no adjustments while machine is runnir 15: Stand clear when turning on the wood lathe.	<b>46</b>	
The learner, will identify in writing the correct name; for the five (5) basic wood lathe tools.	13.3	Orally identify the proper names of the five (5) wood lathe tools displayed by the instructor.
1 gouge 2 akew 8 roundnose 4 spear point 5 parking point		
The learner; given a list of wood lathe safety procedure will demonstrate by observation and practice, his ability to follow these rules correctly.	»s, 13.4	You will, as observed by the instructor, prove your ability to follow the wood lathe safety procedures.
	ATT AND THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	tanan taga panganan at taga kanangan ang at at at at at at at at at at at at at



Varininal Performance Objective 13.0

÷,		Method / Media Selection	
THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	101.1	Lecture	
		Demonstration Film	
		Text.	
		Handout Sheet	- 1 - 1-
	18.2.1	Lecture Handout Sheet	
18.6	18.8.1	Demonstration  Tools	3
18.4	13.4.1	Lecture	
		Observation  Handout safety sheet	
		Handout safety sheet	
	A Print of the second	A STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	* 10 ATT
			• •
		143	
		<b>13</b>	6

	COURSE .	WOODS IB  9th Grade	-
TERMINAL PERFORMANO OBJECTIVE NO. <u>14.0</u>	ce -	JOINTER	

The learner will demonstrate, with 80% proficiency, in writing or orally, his ability to name the parts of the jointer and prove through observation and performance, the proper and safe operation of the jointer.

INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	Jan.
Given a diagram, the learner will, in writing, identify eight (8) parts of the jointer.	14.1	In writing, identify eight (8) parts of the jointer on the diagram given to you by the instructor.	
1. rear table handwheel 2. rear table 3. fence 4. knife guard 5. fence control handle 6. front table 7. front table handwheel 8. switch		e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
			=
144	<u> </u>	137	

COURSE	WOODS IB 9th Grade
	H = H

TERMINAL PERFORMANCE
OBJECTIVE NO. 14.0 cont'd.

JOINTER

WEERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	<u> </u>
The learner will identify, in writing, the safety rules for the proper operation and care of the jointer from a list supplied by the instructor.	14.2	Identify, in writing, the fifteen (15) safety rules to be observed when operating the jointer.	
1. Always keep guard over cutter head. 2. Always work with grain of wood. 3. Eye protection must be worn. 4. Stand to the left of jointer, not behind it. 5. Do not attempt too heavy a cut (Not more than 1/8 inch). 6. Don't let fingers extend over the ends of boards. 7. All stock should be free of knots and splits.			
8. Do not use jointer if knives are dull. 9. Remove all rings and jewelry. 10. Dress properly, no loose clothing. 11. Keep hands away from the cutting area. 12. Fence must be secure.			
13. Use push stick on thin stock. 14. Adjust machine only with the power off. 15. Only operator is allowed inside safety zone.			
The learner, given a list of jointer safety procedures, will demonstrate by observation and practice, his ability to follow these rules correctly.	14.3	You will, as observed by the instructor, prove your ability to follow the jointer safety procedures.	
145			

1.1		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
	M/M			fa the
對大陸	<b>**</b> **********************************	Method / Med	lia Selection	
	<b>1431</b> 1	Handout Sheet	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	
		Text		
		Tools and Equipment		i esta
	100 L	Examination Sheet		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
142	14:2.1	Handout Sheet		
		Text	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	
		Examination Sheet		
		Tools and Materials	•	
<b>714.8</b>	14.3.1	Handout Sheet	, command to the	
		Observation		4:
		- (Советник в достигник в при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при на при	in age processor representation of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contrac	
				ा 
			,	
			146	
				139

COUR					
				리마스 경험 또 심경	
		5 a.s. 12 Mar			

(a) B PECTURE NO. 150

CIRCULAR SAW

The learner will demonstrate, with 80% proficiency, in writing or orally, his ability to desire the parts of the circular saw and prove through observation and performance the proper and sale operation of the saw.

AND STANFORD WITH SEPERAL OR MANCE OBJECTIVES	NO.	CRITERION MEASURES
Acceptation will in writing, identify ten (10) parts of the inclination.  Elevating bandwheels  Allians handwheel—	<b>15.1</b>	In writing, identify ten (10) parts of the circular saw on the diagram given you by the instructor. (See next page):
it miter gauge  tible  5° blade guard  c (ence  (accesset knob  85 fence clamp handle		
9) switch 51) base 10 constant		
the tearner will identify, in writing, the safety rules for the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the circular saw from a transfer of the ci	15.2	Identify, in writing, the fifteen (15) safety rules that will be followed while operating the circular saw.
1) 15 c. motection must be worn.  (Cuard must be over plade.  (S. Sar blade) is raised 1/8 to 1/4 above stock and no		
3.2 publicatick when ripping narrow pieces.  1. No. p. ingers clear of blade.  Do not cut cylindrical stock.  V. Na radise fence and miter gauge together.		
13. Be sure binde is sharp:  9. Never stand directly beaind the blade.  10. Never leave saw until it has come to a complete stop.  11. 10. etcher lence or miter gauge when cutting stock.		
(12. Dress, properly. 13. Remove rings and other jewelry. 14. Only operator should be inside safety zone. 15. Always obtain permission before using saw.		
147		
		<b>140</b>



SHA.	STORY.	Walter Street	of ocyal	Giration.	A	4 74 F (81)	4.2.5	the make the	1.76	160 271	272.	4 1 1 1 1	التنساك	Section 5	الشرائين فيدار	1540	301251	er sign	***	_^ī	.0.		710	garden and a second	drie	1.51		40	1.000	12.			
100		ALC: N	V 156			4 100	2	13.70	10 7.4	C	an	тос		1.50				1.4	νu	u	วร	10.5	LD.		1.0			(** L-	C : []		2.0	1.75	2
15713	200	<b>新城市</b>	电台 事业	3000	45-14	2.4	12-10-2	- 1 Tr	11.54		JU	1.0	) [J	7.4	11.75	100						_							-	待集。	100		٠.
16.2	120 M	E-01742	7235	Sec. 1	12.40	3.5	1000	12 (1.12 E.T	1116		Sec. 4 (1)	Arrive by	11 11 1					7 6.5	2 . 2	50. 61	~11	and the second	ira	-1-	7 W 1	1.0		71 8 6				14.1	: *
47,427		100000	DESCRIPT.	or street and	10.00	100 m	100	200		140			10		71.	1	4.4	1.1		11.	34		314	uu.	14.5		44	April	3000		100		÷
ana)		0.288.488	331331	THE CO.	A-5-7	100	2.4	144 304	100	1.00	t man			0.2						( 1	10.00	1100	A. Same	37.54	100	经净点		She.	13.4		10.1		1
	A Street	10 10 10 10	<b>国际部分</b>	on all or	Tar T	7 T	4.7	CONTRACT.		176 325		1000		7, 200		Actual Act	100	104		114	77.7	1.4	100	1.46.17	3000			37.5					
100	DOM: Y	4	化 海岸	(24.7)	4.4	1.00	P 12 12	4 4 P 5	*	100	11111	13.45	26.7	31.0	4 111	4.14.7	0.00	ь,		119	11-41	1,0	Altitude.	4.16	1 1	11.	5.8 17 a	24.14	14 5 5	S 4 (5)	250,000		λĖ
536	DEED 1	ve d	RATI	VAI	1.3. D	G TO	רח	D 11/1	AN	$\mathbf{c}\mathbf{r}$		PER SE		1000	1.0	1.0		3 14,00	17.1				w 10 mm fr	100	11.3		100	11.4	12. 10 1	- T		100	٠.
3623			11441	3431	4.1	بالدنيا	1000	TFTAT	£343		1		466	100	6.01 ×	ALT:				4 3 3 5 1		-	-						126.0		1		
1200	14 首片	4.77 W		<b>学过程</b> 在		おお寄り	A	<b>建设建设</b>	100	216.40	MA 6	246	272			D. 1		1 4/ 2			6 PH 1	K C	:111	ΑF	3.00		ίΔι			100	1 1 1 1 1	1000	
77.	经付付款	海海 洼			******	7 - 7	700	4.4	1 6 7	1.5			7.4		الوراء والم	600	18 6	24	1.0	Mark Ser	V.			1.27	<b>₩</b> 1915	7 S (2)		111	A Sec. 4	107 00			<u>-</u>
33.	法位理证	we.	1155	E CT	O DAYAR	2.36	NUJ.	Y 15, 155 m		4.8	0.00	711			1.14	51.27	2.3					_				and when	4.7.431		4 1 1 1/	1	- Tay		
23.2	0		Santa 18.	ar trades		J 13			Sett of the Set	1.15 97	175	100			7.1			179.7	Mont	5 M. 8	医隐螺形	1,111	1.0	N.C		37		- 73	41,311.				
100	<b>地位</b>	<b>HUGHS</b>	$H \subset M$		0.00	1.1.23	A 160 116	Service of	MINE CO	150111	iri 🖈			ti i Kara	100	401	300	100						W 60	E 284			April 1	#16	fa. fr. i	4.00	11 6	
多群			West V	PARTY.	364	7. E .	4.44 A	SECTION SE	10.7	577	100	117.11	. 7.4	4	0 W 15			H . T	197	40.1.	** *****	1 1	in the second of		4.75		1.14	30	£1,1,1,1	1.00	1.5	6000	ű

GOINE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
(e) fame: will identify; orally three (3) types of in the history of the history of their use.	15.8	Orally identify three(3) common types of saw blades and demonstrate their use through performance.
	Annual Control	
Une learner, given a list of circular saw safety procedures, will demonstrate by observation and practice, his ability for ollow these rules:	15.4	You will, as observed by the instructor, prove your ability to follow the circular saw safety procedures.
148		141

ERIC Full Text Provided by ERIC

Remina Performance Objective 15.0

		Method / Media Selection
	1611.2	Handout Sheet
		Pext
		Tools and Equipment
		Examination Sheet
186		
152	<b>15:2.1</b>	Handout Sheet
		Text
		Examination Sheet
15.8	15.3.1	Handout Sheet
		Observation
		i priteriorio de la companya de la companya de la companya de la companya de la companya de la companya de la La transferiorio de la companya de la companya de la companya de la companya de la companya de la companya de
		[Mining Table 1987] - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - 1985년 - [Mining Table 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 - 1987년 -
	The second	
		   数数数
		149
		, 14 ₂

COURSE	· · · · · · · · · · · · · · · · · · ·	VOODS IB 9th Grade
		Jui Grade

TERMINAL PERFORMANCE OBJECTIVE NO 16.0

PORTABLE SANDERS

The learner will demonstrate, with 80% proficiency, in writing or orally, his ability to recognize four (2) classifications of portable sanders and prove through observation and performance, the proper and safe operation of the sanders.

Movel Movel	INVERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
· KGSL	The learner will, orally, identify the four (4) classifications of portable sanders.	16.1	Identify orally, four (4) classifications of portable sanders.
	1. Orbit or Reciprocating Pad 2: Belt 3: Disc 4: Drum		
(Z)	The learner will identify, in writing, the safety procedures for the proper operation and care of portable sanders.	16.2	Identify, in writing, the ten (10) safety rules that will be observed when using portable sanders.
	1 Always secure permission before using sanders. 2 Dress properly, no loose clothing. 3 Remove all rings and other jewelry. 4 Eye protection must be worn. 5 Keep both hands on the handles. 6 Be sure the cord is grounded. 7 Keep the electric cord free so it won't get caugh in the sander. 8 Always lift the sander before you start sanding. 9 Do not exert extra pressure on the machine. 10 When finished, do not put sander down until it comes to a complete stop.		
103	The learner, given a list of portable sander safety procedures, will demonstrate by observation and practice, his ability to follow these rules.	16.3	You will, as observed by the instructor, prove your ability to follow the portable sander safety procedures.
75	150		143



## Terminal Performance Objective 16.0

L'P.	M/M No.	. ~ Method / Media Selection	
	16.1.1	Handout Sheet	
	A **	Text	
		Tools and Equipment	
		Examination	
16.2	16.2.1	Handout Sheet	
		Text	
		Tools and Materials	
		Examination Sheet	
16.3	16.3.1	Text	
		Tools and Equipment	
		Observation	
16.4	16.4.1	Handout Sheet	
		Examination Sheet	
	•	Tools and Materials	
		151	
		14 14	14
	Carrier and 1975/961	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR	, 4

COURSE	WOODS IB
	9th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 17.0

BANDSAW



<b>3</b>			
ой	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
	The learner will, in writing, identify ten (10) parts of the bandsaw.  1. Table 2. Upper Wheel Guard 3. Lower Wheel Guard 4. Guide Post 5. Table Insert 6. Miter Gauge Groove 7. Guide Post Lock 8. Blade Guides 9. Blade Support 10. Table Clamp	17.1	Identify, in writing, ten (10) parts of the bandsaw on the diagram supplied by the instructor.  augustation of the diagram supplied by the instructor.  arrachast cock screen and the diagram supplied by the instructor.  arrachast cock screen and the diagram supplied by the instructor.
	152		

COURSE	WOODS IB
	9th Grade

TERMINAL PERFORMANCE OBJECTIVE NO. 17.0 cont'd.

The learner will identify in writing the safety rules for 17.2 Identify, in	N MEASURES
The learner will identify in writing the safety rules for 17.2 Identify, in	
the proper operation and care of the bandsaw.  1. Eye protection must be worn. 2. Adjust upper guide 1/4 above stock. 3. Keep stock flat on table. 4. Keep hands at least three (3) inches from blade. 5. Remove rings and other jewelry. 6. Dress properly - no loose clothing. 7. Do not use dull blades. 8. Stop machine if the blade or work binds. 9. Cylindrical stock should be secured in a holding device. 10. Do not clean table with machine running.	writing, the ten (10) safety rill be followed while operating w.
	observed by the instructor, ability to follow the band- procedures.
	•
153	•
	146

# Terminal Performance Objective 17.0

	e entre en	eg Prijasa Prija <del>cana</del>		
1	LP.	м/м		
T.		No.	Method / Media Selec	tion
	Laborate Santana			WOII
1	171	17.1.1	Lecture	
		edit 1 mil	:	
7		PARA I	Demonstration	
à				
200			Handout Sheet	. ,
			Examination Sheet	
			· ·	
	17.2	17.2.1	Text	
			YTais danse Ob and	
			Handout Sheet	
	M. 16. 1 K. 16. 1		Examination Sheet	
				* - 2 ₈
7.		A		
4.5	17.8	17.3.1	Handout Sheet	
			Observation	
			Objectivation	f
100	gerrer pro- Lugger	1 % 2 *		
1000			•	
			,	
ž.				
1				,
\$				
			*. 	
		4		
	The Land	na in ini Kenangan pada pada		
	<b>2</b>	3.41 (3.4)		•
	Andrew State	e years		
100	Article Committee	•	•	
			:	
1				
		r . V V . v . v	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
			154	
		gra∎ grajji stanovi	•	
1				
I		inda i	And the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	
1		prijnski sib Bilikasikas	e after the	
1		AND THE		

COURSE	WOODS	S IB	
		Grade	-

# TERMINAL PERFORMANCE OBJECTIVE NO. 18.0

#### MACHINE SANDERS

The learner will, with 80% proficiency, be familiar with the safety considerations and the various uses of the portable belt and portable finishing sanders.

100	NTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
18.3	The learner will, on a written examination, list ten (10) safety rules that apply to the portable sander.	18.1	List ten (10) safety rules that apply to the safe operation of the portable sander.
182	The learner, on a written examination, will identify the various types of portable sanders available in the woodworking laboratory.	18.2	Identifu, by name, the different types of machine sanders as displayed by the instructor.
18.8	The learner will be familiar with the uses (applications) of the various portable sanders as demonstrated on a written examination:	18.3	The is an excellent machine for sanding assemble cabinet work.
			2. The action finishing sander is ideal for very fine finishing
			3. The action finishing sander is ideal for rapid sanding.
	155		

Terminal Performance Objective 18.0

の記録が	I.P.	М/М		
	No	No.	Meth	od / Media Selection
	<b>第</b>	<b>18</b> .1.1	Text	
50000000000000000000000000000000000000			Lecture	
経験がほ	<b>18.3</b> .3	18.2.1	Lecture	
			Text	
THE PARTY OF			Examination Sheet .	
	18.8 _± '	18.3.1	Handout Sheet	•
た。			Tools and Materials	
			Observation	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
				•
が大き		e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	2-a ·	e e e e
<b>小</b>		) 	,	
			,—·	
			·	
V. 6				
				**************************************
		Ne da di di di di di di di di di di di di di		
	Andrew Allendar			156
1			Here were	,
	P27		We will be a second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the sec	149

COURSE	WOODS IB 9th Grade
--------	--------------------

TERMINAL PERFORMANCE OBJECTIVE NO. 19.0

RO	UTERS	

The learner will demonstrate, with 90% proficiency, in writing or orally, his ability to recognize six (6) common cuts performed with the router, four (4) basic bits, and prove through performance the proper and safe operation of the router.

## INTERMEDIATE PERFORMANCE OBJECTIVES NO. CRITERION MEASURES The learner will, in writing, identify six (6) common cuts 19.1 that can be performed with the router. 1. groove dado 3. freehand 4. rabbet edge shaping 6. internal The learner will identify, in writing, the safety procedures for the proper operation and care of routers. 1. Always get permission. Remove all rings and other jewelry. 3. Eye protection must be worn. 4. Dress properly - no loose clothing. 5. Keep both hands on the handle. 6. Electrical connection must be grounded. 7. All bits and cutters must be sharp. 8. Maintain a well balanced position on both feet. 9. Do not lay router down until it has come to a complete stop. 10. Disconnect electrical connection when changing bits, cutters, or attachments.

	COURSE	WOODS 9th	IB Grade
TERMINAL PERFORMANO OBJECTIVE NO. 19.0		<del>ست برنی</del> ن	ROUTERS

NO.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES
19.8	The learner will identify, orally, four (4) common router bits.	19.3	Identify orally four (4) common router bits displayed by the instructor.
	1. straight 2. corner rounding 3, beading 4. cove		35m
9.4	The learner, given a list of router safety procedures, will demonstrate his ability to follow these rules.	19.4	You will, as observed by the instructor, prove your ability to follow the router
	Complianate in ability to follow these facts.		safety procedures.
		÷	
			. <del>प्र</del> न्थ <i>ः</i> ।
			The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa
	158		
			151

Terminal Performance Objective 19,0

LP.	M/M	, large		
No.	No.		Method / Media Selection	
19.1	19.1.1	Lecture		
Mary Street		Handout Sheet		
		Text		
	2.			,
19.2	10:2:4	Text		
		Handout Sheet		
	2.0		••	
		Examination		
		•		
19.3	19.3.1	<b>Demonstration</b>		
A TABLE OF THE SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF A SET OF		Tools		
		·		
19.4	19.4.1	Handout Sheet		
		Observation		
And the second				Te .
				10.4
6013		•		
				1
		i ,		
15.7 15.5 15.5 15.5 15.5 15.5 15.5 15.5				
		:	. 159	
			. 100	
All parts				
de la la la la la la la la la la la la la		All the first of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of		

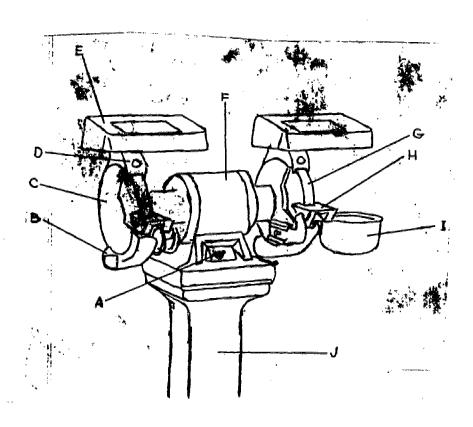
152

COURS	SE WOODS IB 9th Grade
TERMINAL PERFORMANCE OBJECTIVE NO. 20.0	GRINDER

The learner will demonstrate, in writing, with 90% proficiency, his ability to name the parts of the grinder and prove through observation and performance, proper and safe operation of the equipment.

NO.	INTERMEDIATE PERFORMANCE OBJECTIVES	NO.	CRITERION MEASURES	
20.1	The learner will, in writing, identify ten (10) parts of the grinder.	20.1	Identify, in writing, ten (10) parts of the grinder on the diagram supplied by the instructor. (See attached sheet).	
	1. Sefety Shield 2. Water Pot 3. Motor 4. Switch			
	5. Tool Rest 6. Dust Shute 7. Pedestal 8. Wheel Guard			
	9. Spark Deflector 10. Grinding Wheel			
20.2	The learner will identify, in writing, the safety rules for the proper operation and care of the grinder.  1. Eye protection must be worn.	20.2	Identify, in writing, the ten (10) safety rules that will be followed while operating the grinder.	
	<ol> <li>Keep all hoods and guards in place.</li> <li>Hold all work securely.</li> <li>Dress properly - no loose clothing.</li> <li>Don't touch the moving wheel or the work</li> </ol>			
	being ground. 6. Keep tool rest adjusted 1/8 from wheel. 7. Grind only on face of wheel, never on side. 8. Keep object being ground cool by dipping in water.			
	9. Never use grinder with chipped or cracked wheel. Replace or dress wheel. 10. Stand aside when turning on machine.			
8	The learner, given a list of grinder safety procedures, will demonstrate his ability to follow these rules.	20.3	You will, as observed by the instructor, prove your ability to follow the grinder safety procedures.	5
	Total Maria (Section 1) and the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect			- ,

160



Terminal Performance Objective

20.0

I.P.	M/M No	Method / Media Selection		
20.1	201.1	Lecture	.*	
		Text	•	
		Handout Sheet		
20.2	20.2.1	Lecture	e e	•
		Handout Sheet		•
		Examination Sheet		
20.8	20.3.1	Lecture		
		Observation		•
				; ;
Programme of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont				
				-
		1 · · · B 9År		
	. ,		*	
				. :
		em gleithere		
		162		
	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA			
	Lead of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state			₁ 55